

**Würth Industrial Services Malaysia**

# **PERSONAL PROTECTIVE EQUIPMENT**



# Chapter 1

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## Hand Protection





# Hand Protection



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# Knitted Gloves

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## Knitted Gloves

### POLYAMIDE/COTTON COARSE KNITTED GLOVE



Universal, very rugged coarse-knitted glove for all dry applications

#### Features

- Seamless two-layer round-knit design:
  - Inside: Cotton liner for pleasant, comfortable wear.
  - Outside: rugged, wear-resistant nylon
- Anti-slip vinyl dot coating
- Good resistance to cuts and wear
- Good cold and heat protection.

#### Standards

Category II

EN 388



2.2.4.1.

#### Fields of application

- For medium to high mechanical loads
- For all dry activities in the building trade.
- Sheet metal, plastic processing and metalworking.
- Packaging and manufacturing work.
- Assembly work
- Woodworking
- Land and forestry work.

Size	Art. No.	P. Qty./pair
8	<b>0899 400 010</b>	6
9	<b>0899 400 020</b>	
10	<b>0899 400 030</b>	
12	<b>0899 400 040</b>	

### COARSE KNITTED GLOVE "UNIVERSAL"



#### Features

- Seamless round knit made of polyester/synthetic yarn.
- Good flexibility and fit.
- Anti-slip vinyl dot coating

#### Standards

Category II

EN 388



1.1.4.1.

#### Fields of application

- Suitable for light to medium mechanical loads in assembly work.
- Sorting work.
- Packaging and manufacturing work

Size	Art. No.	P. Qty./pair
8	<b>0899 400 108</b>	12
10	<b>0899 400 110</b>	

### COARSE KNITTED GLOVE "ECONOMY"



#### Features

- Polyester/cotton carrier fabric
- Good wearing comfort and fit thanks to round-knit design
- Anti-slip dot coating

#### Standards

Category II

EN 388



1.1.3.1.

#### Fields of application

- Suitable for light to medium mechanical loads in dry areas.
- For light to medium storage, manufacturing and assembly work.
- Agricultural and forestry work.

Size	Art. No.	P. Qty./pair
8	<b>0899 404 08</b>	12
10	<b>0899 404 010</b>	

## Knitted Gloves

### POLYAMIDE/COTTON FINE KNITTED GLOVE



#### Features

- Seamless, two-layer round-knit design.
  - Inside: Cotton liner for pleasant, comfortable wear.
  - Outside: rugged, wear-resistant nylon
- High flexibility.
- Excellent fit.
- Very good sense of touch
- Good, secure grip thanks to wear-resistant vinyl dot nubbing.

#### Standards

Category II

EN 388



3.1.4.2.

#### Fields of application

- Excellently suited for fine, precise work.
- Fabrication and packaging work.
- For the handling of sensitive materials in dry applications.
- Can be used for repair and maintenance work
- Assembly and manufacturing work for household appliances and electronics.
- Kitchen assembly and the furniture industry.

Size	Art. No.	P. Qty./pair
7	<b>0899 404 107</b>	12
8	<b>0899 404 108</b>	
9	<b>0899 404 109</b>	
10	<b>0899 404 110</b>	



"TOP-FLEX" SAFETY GLOVE



Features

- Universal fine-knit glove with seamless, round-knitted polyamide carrier fabric.
- Optimum dexterity thanks to shortened thumb, index and middle finger (Fig. 1 + 2).
- Good secure grip thanks to the anti-slip coating of the hand surfaces (Fig. 3).
- Dot coating of the back of the hand in the knuckle area (Fig. 4).

Standards

Category II

Areas of use

- Excellently suited for fine, precision work
- Fabrication and packaging work
- Assembly activities
- Interior finishing
- Freight forwarding, transportation and storage activities

Size	Art. No.	P. Qty./pair
8	0899 404 308	6
9	0899 404 309	
10	0899 404 310	

EN 388



2.1.4.2.



Fig. 1



Fig. 2



Fig. 3



Fig. 4

# Nitrile Gloves

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## Nitrile Gloves

### BLUE NITRILE GLOVE



#### Features

- Nitrile coating on heavy cotton jersey lining.
- Laminated safety sleeve section
- Active breathing thanks to open handbacks
- Very comfortable to wear
- Liquid and oil repellent with good chemical resistance

#### Standards

Category II

EN 388



4.2.2.1.

#### Fields of application

- Medium to heavy mechanical loads
- Good resistance to wear and cuts.
- For metalworking, body construction, transport, construction and disposal work
- Only limited suitability for wet work

Size	Art. No.	P. Qty./pair
10	<b>0899 420</b>	12
12	<b>0899 420 100</b>	6

### BLUE NITRILE GLOVE "ECONOMY"



#### Features

- Dip coating made of nitrile and synthetic latex on medium-thickness cotton jersey lining
- Canvas safety sleeve section
- Active breathing thanks to open hand backs
- Good resistance to wear
- Liquid-repellent.

#### Standards

Category II

EN 388



3.1.1.1.

#### Fields of application

- Medium mechanical load for versatile manual work
- Building trade
- Road engineering
- Metalworking
- Supply and disposal work

Size	Art. No.	P. Qty./pair
10	<b>0899 420 001</b>	12

## Nitrile Gloves

### YELLOW NITRILE GLOVE



Universal, light assembly glove with nitrile coating

#### Features

- Nitrile coating on sealed cotton interlock lining with knitted wristband
- Active breathing thanks to open hand backs
- Good abrasion resistance
- Repels liquid, oil and grease
- Very good dry grip

#### Standards

Category II

EN 388



3.1.1.1.

#### Areas of use

- Light to medium mechanical loads
- Repair and maintenance work
- Light vehicle body construction
- Automotive industry, car and truck maintenance
- Plumbing trade

Size	Art. No.	P. Qty./pair
8	<b>0899 410 08</b>	12
9	<b>0899 410 09</b>	
10	<b>0899 410 10</b>	

### YELLOW "ECONOMY" NITRILE GLOVE



Light assembly glove with nitrile coating

#### Features

- Dip coating of nitrile and synthetic latex
- Cotton interlock lining with knitted wristband
- Excellent dry grip
- Limited liquid repellent properties
- Active breathing thanks to open hand backs

#### Standards

Category III

EN 388



2.1.1.1.

#### Areas of use

For light mechanical loads in the following areas:

- Construction
- Automotive industry
- Repair and maintenance work

Size	Art. No.	P. Qty./pair
9	<b>0899 410 109</b>	12
10	<b>0899 410 110</b>	



# Mechanical Gloves / Assembly Gloves

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## Mechanical Gloves / Assembly Gloves

### MECHANIC'S GLOVE



**Standards**  
Category II



#### Features

- Excellent dry and wet grip via special surface texturing.
- Excellent flexibility for fine assembly work.
- Good mechanical loadability
- Skin-friendly, seamless knit nylon lining.
- High-quality natural latex coating with open back of hand for good breathing ability

Size	Art. No.	P. Qty./pair
7	<b>0899 400 528</b>	6
8	<b>0899 400 529</b>	
9	<b>0899 400 530</b>	
10	<b>0899 400 531</b>	
11	<b>0899 400 532</b>	

#### Fields of application

- Any activities requiring a good wet grip and good tactile behaviour
- Use in dry and damp areas
- Light to medium assembly and workshop work
- Especially suitable for mechanics' work
- Tyre changing work
- Automotive manufacture and maintenance
- Body work
- Medium sorting, packaging and storage work.
- Freight forwarding work
- Light to medium-heavy work in construction, especially in interior decoration

### CRAFTSMAN'S GLOVE "PRO"



**Standards**  
Category II



#### Features

**The combination of cotton tricot carrier fabric, Velcro closure and a special, foamed polymer coating offers a host of outstanding properties:**

- Excellent dry and wet grip.
- The coating has good chemical resistance to many greases, oils and other chemicals common in the skilled trades.
- Pressure and vibration-damping properties
- Excellent fit
- Wearer safety ensured thanks to Velcro closure

#### Fields of application

- The all-rounder for any work in the skilled trades and industry
- Light to medium work where good gripping and high flexibility are required
- Excellently suited for assembly, workshop, mechanics' and body work.
- Optimum for freight forwarding, transport and storage activities
- Work with hand tools and machines

Size	Art. No.	P. Qty./pair
8	<b>0899 400 652</b>	6
9	<b>0899 400 653</b>	
10	<b>0899 400 654</b>	
11	<b>0899 400 655</b>	

## Mechanical Gloves / Assembly Gloves

### "UNI-TOP" MECHANIC'S GLOVE



**All-purpose glove for all activities of mechanics and skilled tradespeople.**

#### Features

- Skin-friendly, seamless round-knitted nylon carrier fabric
- Very good dry and wet gripping
- Special foamed polymer coating with pressure and vibration damping
- Optimum fit and flexibility thanks to stretchable materials
- Wearer safety ensured thanks to Velcro closure

**Standards**  
Category II

EN 388



4.1.3.1.

#### Areas of use

- All purpose glove for any work in the skilled trades and industry
- Excellently suited for assembly, workshop, mechanic's and body work
- Freight forwarding, transportation and storage activities
- Work with hand tools and machines
- Activities requiring secure fitting of the gloves to your hands

Size	Art. No.	P. Qty./pair
8	<b>0899 400 690</b>	6
9	<b>0899 400 691</b>	
10	<b>0899 400 692</b>	

### "NITRILON PLUS" SAFETY GLOVE



#### Features

#### Very rugged fine-knit glove

- High-quality coating made of acrylic/nitrile/butadiene on a rugged, seamless round-knit polyamide carrier fabric
- Skin-friendly carrier and coating materials
- Outstanding mechanical loadability
- Excellent dry gripping for secure handling of workpieces and tools
- Very good fit

**Standards**  
Category II

EN 388



4.1.3.2.

#### Areas of use

- Broad spectrum of assembly and skilled trade work
- Medium mechanical loads
- Can be used in any fields requiring a good dry grip and good mechanical resistance in sectors of the building industry
- Body work
- Metal working
- Plastics processing
- Automotive industry
- Maintenance, household appliances

Size	Art. No.	P. Qty./pair
8	<b>0899 400 660</b>	6
9	<b>0899 400 661</b>	
10	<b>0899 400 662</b>	



## MECHANIC'S GLOVE CUT PLUS



**Robust all-round gloves with excellent cut protection**

**Maximum safety and long service life**

- Special cut protection fibres around the palm surfaces
- Specific reinforcements at areas placed under strain

**Robust protectors on the back of the hand and fingers**

**Palm of hand has abrasion-proof and anti-slip trims**

**Good fit and high level of user safety**

Soft neoprene rip-tape fastening

**Comfortable**

Breathable, elastic polyester fabric on the back of the hand

Size	EN standard	Category	Art. No.	P. Qty.
8	388, 420	II	<b>0899 401 248</b>	1
9	388, 420	II	<b>0899 401 249</b>	1
10	388, 420	II	<b>0899 401 250</b>	1
11	388, 420	II	<b>0899 401 251</b>	1

### Application area

- For applications with strict cut protection and abrasion resistance requirements
- Handling of sharp tools and workpieces
- Trade fair construction, assembly work
- Warehousing and logistics tasks
- Mechanic and workshop tasks
- Working with hand tools and machines

## MECHANIC'S GLOVE PRO



Size	Art. No.	P.
8	0899 400 748	1
9	0899 400 749	1
10	0899 400 750	1

### Area of application

#### For light to medium mechanical work

- Trade fair construction
- Warehouse and logistics work
- Assembly work
- Mechanic's and workshop activities
- Work with hand tools and machines

**With integrated magnet on the back for fixing small tools and fastening materials.**

**Robust protectors on the back of the hand and fingers**

**Vibration-damping inlays in the palms**

**Long-lasting thanks to**

- reinforcement patches on parts subject to heavy wear
- particularly durable triple seam in the palm

**Good fit and great safety for the wearer**

thanks to Neoprene cuff with Velcro fastener

**Pleasant and comfortable to wear**

thanks to breathable, elastic polyester fabric on the back

## Mechanical Gloves / Assembly Gloves

### MULTIFIT LATEX SAFETY GLOVE



**Extremely light and flexible**

#### Properties

- Good dry and wet gripping
- Microporous foamed coating of the hand inner surface
- Seamless polyamide-elastane carrier fabric

#### Standards

Category II

EN 388



2.1.4.1.

#### Applications

- For light to medium mechanical stress
- Warehouse, picking and assembly work
- Repair and maintenance work

Size	Art. no.	PU/pair
7	<b>0899 405 107</b>	6
8	<b>0899 405 108</b>	
9	<b>0899 405 109</b>	
10	<b>0899 405 110</b>	
11	<b>0899 405 111</b>	

### MULTIFIT NITRIL SAFETY GLOVE



**Universal & robust**

#### Properties

- Very resistant to wear
- Good resistance to many greases, oils and other chemicals in small amounts
- Microporous foamed coating of the hand inner surface
- Seamless polyamide-elastane carrier fabric

#### Standards

Category II

EN 388



4.1.4.1.

#### Applications

- Assembly, workshop work and mechanic's tasks
- Packaging and warehouse work
- Repair and maintenance work

Size	Art. no.	PU/pair
7	<b>0899 405 207</b>	6
8	<b>0899 405 208</b>	
9	<b>0899 405 209</b>	
10	<b>0899 405 210</b>	
11	<b>0899 405 211</b>	

### MULTIFIT NITRIL PLUS SAFETY GLOVE



**Very robust & long-lasting**

#### Properties

- Excellent mechanical resilience and service life thanks to the knobbed texture
- Good resistance to many greases, oils and other chemicals in small amounts

#### Standards

Category II

EN 388



4.1.4.1.

#### Applications

- Assembly, workshop work and mechanic's tasks
- Packaging and warehouse work
- Repair and maintenance work

Size	Art. no.	PU/pair
7	<b>0899 405 307</b>	6
8	<b>0899 405 308</b>	
9	<b>0899 405 309</b>	
10	<b>0899 405 310</b>	
11	<b>0899 405 311</b>	



## "COMFORT" ASSEMBLY GLOVE



### Features

- Nylon fine-knit carrier fabric
- Breathable PU coating
- Outstanding flexibility
- Excellent fit
- Extremely high wearing comfort

### Standards

Category II

EN 388



4.1.3.1.

### Areas of use

- Excellently suited for fine, precision work
- Easy assembly work
- Electrical installation
- Household appliances
- Motor vehicle and motor vehicle parts production
- Painting and varnishing work
- Interior finishing

Size	Art. No.	P. Qty./pair
7	<b>0899 400 607</b>	5
8	<b>0899 400 608</b>	
9	<b>0899 400 609</b>	
10	<b>0899 400 610</b>	
11	<b>0899 400 611</b>	

## "ECONOMY" ASSEMBLY GLOVE



### Features

#### Light assembly glove with breathable PU coating

- Fine-knit fabric made of gray, textured polyester
- Breathable black PU coating for comfortable wear
- Excellent fit, flexibility and dexterity
- Insensitive against soiling due to gray carrier color and black PU coating

### Standards

Category II

EN 388



4.1.3.1.

### Areas of use

- Sorting and packaging work
- Automotive industry and maintenance
- Light assembly and mechanic's activities
- Interior finishing and dry construction

Size	Art. No.	P. Qty./pair
7	<b>0899 400 617</b>	12
8	<b>0899 400 618</b>	
9	<b>0899 400 619</b>	
10	<b>0899 400 620</b>	
11	<b>0899 400 621</b>	

## "SOFT" ASSEMBLY GLOVE



### Features

- Extremely light and flexible
- Fine-knit glove made of elastic nylon yarn
- Maximum wearing comfort
- Breathable thanks to the extremely light, micro-porous PU coating
- Optimum for fine assembly and precision work
- Superb tactile and fingertip feeling.
- Highly flexible and stretchable.
- Fits like a second skin

**Standards**  
Category II



### Areas of use

- Storage and picking activities
- Fine assembly, precision work, electrical installation, inspection work, product protection gloves, household appliances, maintenance work

Size	Art. No.	P. Qty./pair
7	<b>0899 400 730</b>	6
8	<b>0899 400 731</b>	
9	<b>0899 400 732</b>	
10	<b>0899 400 733</b>	
11	<b>0899 400 734</b>	

## COTTON JERSEY GLOVE



### Features

- Protects hands from contaminants and mechanical strains to the skin
- Cotton jersey cloth with fluffed-up interior
- Good heat and cold protection
- Can be worn on both sides

**Standards**  
Category I

### Areas of use

- For all activities requiring an especially skin-friendly glove
- Good protection against hot or cold thermal loads
- Transport business
- Agriculture
- Building management
- Construction

Size	Art. No.	P. Qty./pair
10	<b>0899 400 140</b>	12

## COTTON TRICOT GLOVE



**100% bleached cotton, with fourquettes**

### Features

- Lightweight design
- Pleasant wearing comfort and good fit

**Standards**  
Category I

### Areas of use

- For low mechanical loads
- Assembly, dispatch and electrical work with minimal risks
- Dry construction
- Suitable as underglove for protection against heat and cold

Size	Art. No.	P. Qty./pair
8	<b>0899 400 08</b>	12
10	<b>0899 400 10</b>	
12	<b>0899 400 12</b>	

## VOLTAGE-PROTECTION GLOVE



### For working voltages up to 1,000 V/AC

- Material: Natural latex
- Color: red
- Length: 410 mm
- Good flexibility
- Good tactile sensitivity
- Arc-fault test passed in accordance with EN 61482-1+2
- Supplied in UV-stable PE storage bag

### EN standards/category

- EN 60903
- EN 61482-1+2
- Cat. III

### Areas of use:

- Installation, maintenance and repair work under electrical voltage
- Power supply and installation companies
- Electrical workshops
- Maintenance and repair of electric and hybrid vehicles
- Fire departments and paramedics



Size	Art. No.	P. Pair
9	0899 400 929	1
10	0899 400 930	
11	0899 400 931	

Technical data:	
Layer thickness as per standard	Max. 1 + 0.6 mm
Class	0
Category	RC R: Acid-, oil- and ozone-resistant C: Cold-resistant
EN 61482-1+2	Level 1: 4 kA/0.5 sec/300 mm Level 2: 7 kA/0.5 sec/300 mm
Test voltage	5,000 V/AC, 10,000 V/DC
Max. operating voltage:	
AC voltage	1,000 V
DC voltage	1,500 V



**FLEXTON ASSEMBLY GLOVE**



**Description**

- Lightly coated PU-gloves
- Glueless 100% nylon carrier texture
- Fine surface profile for excellent flexibility for fine assembly works
- Good mechanical capacity
- Breathable because of open hand back
- Very high wearing comfort
- Silicon free
- Colour texture: Grey
- Colour coat: Grey
- EN 388/CE/Cat. II/Performance values: **4.1.3.1**

**Application**

For precision and small parts handling in dry and slightly oiled environment. Fine assembly, electro mechanics, packaging etc.

P.Qty. / pair	Art. No.	Size
12	<b>0899 400 329</b>	7
	<b>0899 400 330</b>	8
	<b>0899 400 331</b>	9
	<b>0899 400 332</b>	10
	<b>0899 400 333</b>	11

**BASEFLEX GLOVES**



Nitrile Smooth Coating

**Description**

- 13 gauge nylon liner, nitrile smooth coating on palm
- Good sense of touch especially in exposure with small parts, oil and lubricant
- Breathable thanks to open back
- Colour texture: Dark Grey
- Colour coat: Black
- CE Certified in accordance with EN420/EN388
- CAT.II/EN388 Performance level: **4.1.2.1**

**Application**

Fine handling in damp oily or greasy environment. General maintenance, general construction, material handling, light assembly etc.

P.Qty. / pair	Art. No.	Size
12	<b>0899 401 507</b>	7
	<b>0899 401 508</b>	8
	<b>0899 401 509</b>	9
	<b>0899 401 510</b>	10

## BLACK MECHANIC GLOVES



### Description

- Conform to EN 420 and EN 388
- 100% Seamless nylon liner with latex coating
- Breathable open hand back
- Good abrasion resistance
- Very good grip and dexterity
- Silicone free
- EN 388
- CE/CAT.II/Performance values: **2.1.3.1**

### Application

Construction, agriculture, storage etc. automotive industries. Light to medium-heavy assembly and workshop work with good gripping ability in dry and wet areas. All activities requiring a good wet grip and good tactile behavior.

P.Qty. / pair	Art. No.	Size
6	<b>0899 405 027</b>	7
	<b>0899 405 028</b>	8
	<b>0899 405 029</b>	9
	<b>0899 405 030</b>	10
	<b>0899 405 031</b>	11

## SOFTFLEX GLOVES



### Description

- Nylon / spandex liner for tight and comfortable fit
- Extremely good grip and dexterity
- Very comfortable to wear
- EN388: **4.1.3.1**

### Application

Used in areas such as industry, transport, garages, workshops, construction. Not suitable for handling of chemicals.

P.Qty. / pair	Art. No.	Size
12	<b>0899 401 067</b>	7
	<b>0899 401 068</b>	8
	<b>0899 401 069</b>	9
	<b>0899 401 070</b>	10
	<b>0899 401 071</b>	11

TIGERFLEX PLUS GLOVES



Nitrile Foam Coating



Description

- Skin friendly, seamless round knitted Nylon/Lycra® carrier fabric (15 gauge).
- Foam nitrile coating palm with additional nitrile „Tiger“ dots.
- Breathable, comfortable to wear.
- Tight & soft □ □ □ □ □ dexterity thanks to upgraded Nylon yarn.
- Elas □ □ □
- Colour texture: Grey
- Colour coating: Black
- Colour Tiger dots: Grey
- CE Cer □ □ □ □ □ brin to EN420/EN388
- CAT.II/EN388/Performance level: **4.1.2.1**

Application

Light to medium work where good gripping and high □ □ workshop, mechanic’s and body work. Optimum for freight forwarding, transport and storage activities.

P.Qty. / pair	Art.	Size
12	0899 411 017	7
	0899 411 018	8
	0899 411 019	9
	0899 411 020	10
	0899 411 021	11

AQUASTOP GLOVES



Nitrile Foam Coating

Description

- 15 gauge polyester with Lycra liner
- 3/4 double foam nitrile coating gloves with pattern on palm, two color double dipped
- Waterproof, high durability & comfortable
- T □ □ □ □ □ ing excellent grip & dexterity
- CE Cer □ □ □ □ □ brin to CAT.II EN420/EN388
- EN388/Performance level: **4.1.3.2**

Application

Used in areas such as industry, transport, agriculture, garages, workshops, construction. Not suitable for handling of chemicals.

P.Qty. / pair	Art.	Size
12	0899 401 217	7
	0899 401 218	8
	0899 401 219	9
	0899 401 220	10
	0899 401 221	11



# Cut Resistant Gloves

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## Cut Resistant Gloves

### CUT 3/100 CUTTING PROTECTION GLOVE WITH DYNEEMA® FIBER



Cutting protection glove with maximum wearing comfort

#### Features

- Very good cutting protection thanks to Dyneema® fibers
- Very good heat dissipation properties of Dyneema® fibers → Comfortable to the hand and able to be worn for long periods
- Breathable PU coating for comfortable wear
- High abrasion resistance and mechanical loadability.
- Good fit and flexibility

#### Standards

Category II  
**EN 388**



4.3.4.3.

#### Areas of use

- Handling sharp workpieces and tools
- Machining and processing of metal parts, plastic profiles, aluminum, etc.
- Glass industry

Size	Art. No.	P. Qty./pair
7	<b>0899 400 739</b>	1/6
8	<b>0899 400 740</b>	
9	<b>0899 400 741</b>	
10	<b>0899 400 742</b>	
11	<b>0899 400 743</b>	

Dyneema® is a registered trademark of Royal DSM N.V.



### CUT 3/200 CUTTING PROTECTION GLOVE WITH KEVLAR®



#### Features

- Seamless, round-knit carrier fabric made of 100 % Kevlar®
- Good grip thanks to laminated natural latex coating on inner surfaces of hand, thumbs and fingers
- Good ventilation thanks to open hand backs
- High resistance to cuts and wear

#### Standards

Category II

**EN 388**



4.3.4.3.

#### Areas of use

- Glass industry
- Recycling plants
- Metal press plants, metalworking
- Plastics industry
- Paper and cardboard industry

Size	Art. No.	P. Qty./pair
8/9	<b>0899 400 409</b>	1
10	<b>0899 400 410</b>	

Kevlar® is a registered trademark of du Pont de Nemours & Co., USA.

# Cut Resistant Gloves

## CUT 3/250 ARM GUARD WITH KEVLAR®



**Ideal cutting and heat-protection for the heel of the hand, wrist and forearm areas**

### Features

- Optimum in conjunction with cutting protection clothing or gloves.
- Double-layer, seamless, round-knit fine carrier fabric made of 100 % Kevlar®
- Integrated thumb hole allows optimum fixing of the arm guard over the heel of the hand.
- Length: 35 cm

### Standards

Category II

EN 388



1.3.4.3.

EN 407



X.1.X.X.X.X.

### Areas of use

- Can be used for work with greater requirements on heat or cutting protection.
- Glass industry
- Metal working
- Aluminum working/processing
- For handling metal and plastic profiles
- In risky areas of recycling and waste management

Size	Art. No.	P. Qty.
universal	<b>0899 400 420</b>	1

Kevlar® is a registered trademark of du Pont de Nemours & Co., USA.

## CUT 4/200 CUTTING PROTECTION GLOVE WITH KEVLAR®



### Features

- Seamless carrier fabric made of 100 % Kevlar®
- High-quality natural latex coating
- Open hand backs for better flexibility and breathability
- Fine surface profile for a good grip
- Good protection against cuts and piercing injuries

### Standards

Category II

EN 388



3.4.4.3.

### Areas of use

- Can be used for the handling and processing of cutting and sharp-edged tools and workpieces, e.g. glass, plastic, metal parts and profiles

Size	Art. No.	P. Qty./pair
9	<b>0899 451 09</b>	1
10	<b>0899 451 010</b>	

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## Cut Resistant Gloves

### CUT 5/100 CUT PROTECTION GLOVE WITH DYNEEMA® FIBER



**Extremely resistant against cut  
and abrasion**

#### Features

- Excellent protection against cuts with DYNEEMA® fiber in combination with glass fibers and polyamide
- Outstanding abrasion resistance and mechanical loadability
- Fibers have very good heat dissipation properties
- Comfortable to the hand and able to be worn for long periods
- Breathable PU coating for comfortable wear
- Good fit and flexibility

#### Standards

Category II

**EN 388**



4.5.4.3.

#### Applications

- Applications with most demanding requirements for cut protection and abrasion resistance

Size	Art. No.	P. Qty./Pair
7	<b>0899 400 761</b>	1/6
8	<b>0899 400 762</b>	
9	<b>0899 400 763</b>	
10	<b>0899 400 764</b>	
11	<b>0899 400 765</b>	



DYNEEMA® is a trademark of DSM

### CUT 5/200 CUT PROTECTION GLOVE WITH KEVLAR®



**Extremely resistant against cut  
and abrasion**

#### Features

- Seamless round-knot carrier fabric of special cut protection fiber of KEVLAR®, steel and acrylic
- Excellent cut and abrasion resistance, especially for loads under pressure
- Rugged, natural latex coating offers good grip and excellent protection against penetration and metal chips
- Good ventilation thanks to open hand backs.

#### Standards

Category II

**EN 388**



4.5.3.2.

- Applications with most demanding requirements for cut protection and abrasion resistance

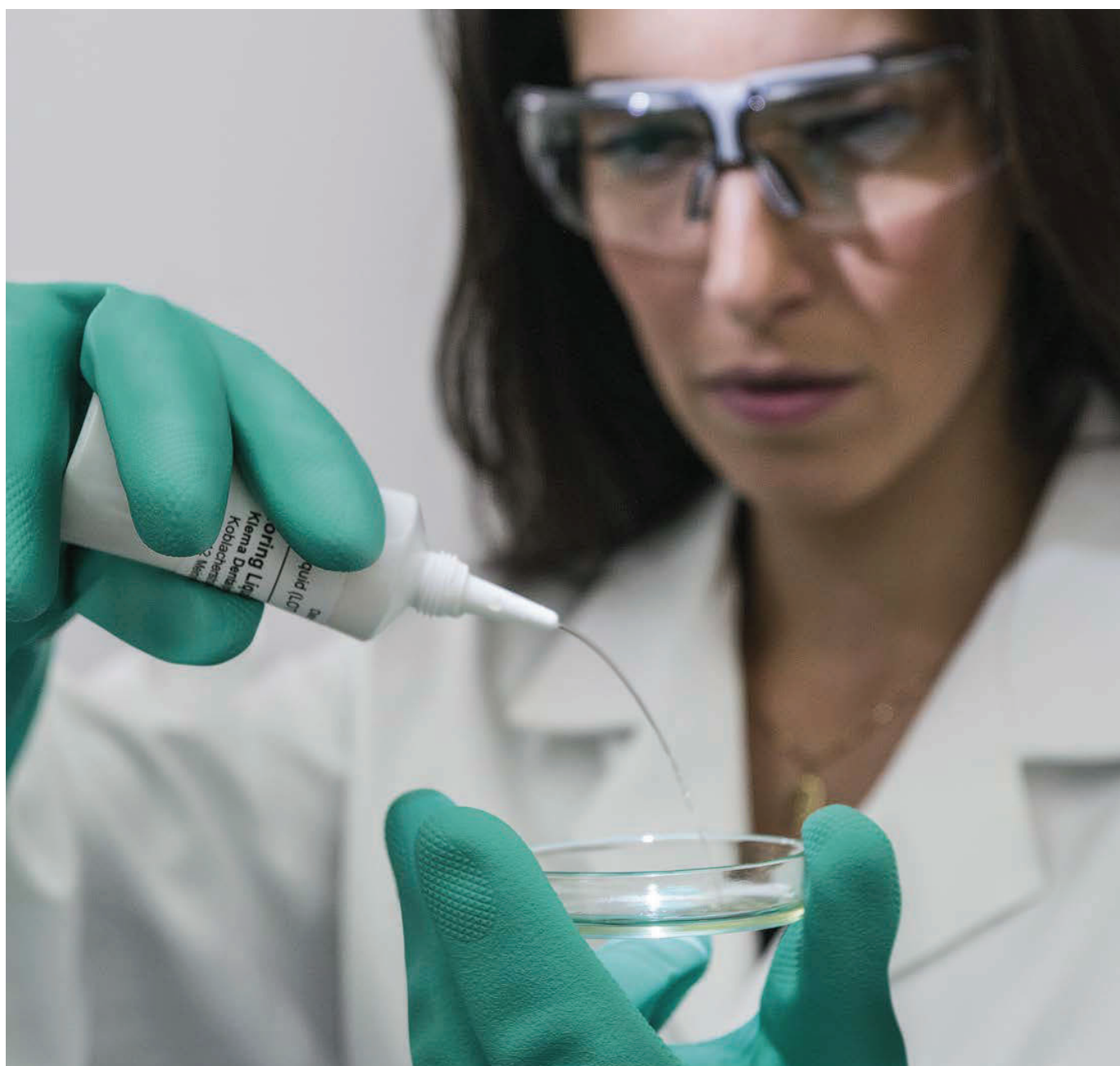
Size	Art. No.	P. Qty./Pair
8	<b>0899 451 308</b>	1/6
9	<b>0899 451 309</b>	
10	<b>0899 451 310</b>	

KEVLAR® is a registered trademark of E. I. DU PONT DE NEMOURS & COMPANY, US



# Chemical Protection Gloves

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## Chemical Protection Gloves

## NITRILE CHEMICAL PROTECTION GLOVE



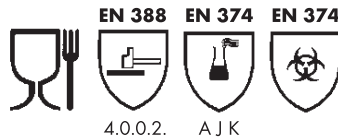
Universal, light chemical protection glove made of nitrile with cotton velour on the inside.

**Features**

- 100% liquid-proof
- Secure grip thanks to rhomboid profile
- Chemical and liquid protection against a large number of bases, acids, greases, oils and some solvents
- Silicone-free manufacturing process
- Tested as food-safe
- Material thickness: 0.38 mm  $\pm$  0.03 mm
- Total length: 330 mm

**Standards**

Category III

**Areas of use**

- Painting work
- Surface treatment
- Staining
- Refrigerants and lubricants
- Motor vehicle and machine maintenance
- Food-processing industry
- Galvanic baths
- Cleaning
- Handling pesticides

Size	Art. No.	P. Qty./pair
7	<b>0899 435 07</b>	6
8	<b>0899 435 08</b>	
9	<b>0899 435 09</b>	
10	<b>0899 435 10</b>	
11	<b>0899 435 11</b>	

NITRILE CHEMICAL PROTECTION GLOVE  
LONG, HEAVY DESIGN

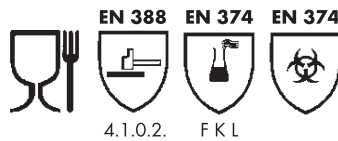
Heavy chemical protection glove made of nitrile

**Features**

- Secure grip thanks to rhomboid profile
- Chemical and liquid protection against a large number of bases, acids, greases, oils and some solvents
- Good mechanical resistance
- Silicone-free manufacturing process
- Tested as food-safe
- Material thickness: 0.58 mm  $\pm$  0.03 mm
- Total length: 450 mm

**Standards**

Category III

**Areas of use**

- Cleaning and maintenance work
- Chemical industry
- Food-processing industry
- Painting and degreasing work
- Chemicals in agriculture
- Cooling and cutting oils

Size	Art. No.	P. Qty./pair
8	<b>0899 435 408</b>	1
9	<b>0899 435 409</b>	
10	<b>0899 435 410</b>	

**HOUSEHOLD GLOVE**



Liquid-sealed cleaning glove made of natural latex; premium quality.

**Features**

- Secure grip thanks to rhomboid profile
- Extremely elastic
- Optimum feel
- Tested as food-safe
- Silicone-free manufacturing process
- Material thickness: 0.42 mm ± 0.03 mm
- Total length: 300 mm

**Standards**

Category III



**Areas of use**

- For cleaning work in industry, trade and household
- Laboratory work
- Food processing industry
- Agriculture
- Maintenance, cleaning and care work

Size	Art. No.	P. Qty./pair
7	<b>0899 415 01</b>	12
8	<b>0899 415 02</b>	
9	<b>0899 415 03</b>	
10	<b>0899 415 04</b>	

## Chemical Protection Gloves

## NEOPRENE CHEMICAL PROTECTION GLOVE



Heavy chemical protection glove of neoprene

## Features

- Interior cotton flocking
- Secure grip thanks to rhomboid profile
- Good resistance to diluted acids, alkaline solutions, oil and grease
- Good mechanical resistance
- Tested as food-safe
- Material thickness: 0.68 mm  $\pm$  0.03 mm
- Total length: 330 mm

## Standards

Category III



## Areas of use

- Cleaning and maintenance work
- Chemical industry
- Food processing industry
- Chemicals in agriculture
- Cooling and cutting oils
- Galvanizing work

Size	Art. No.	P. Qty./pair
8	<b>0899 435 608</b>	6
9	<b>0899 435 609</b>	
10	<b>0899 435 610</b>	

## BUTYL CHEMICAL PROTECTION GLOVE



Butyl safety glove

## Features

- Excellent protection against dangerous chemicals
- Gas-tight and resistant to exhaust gases from combustion processes
- Good mechanical resistance
- With rolled edge
- Powdered
- Material thickness: 0.50 mm  $\pm$  0.10 mm
- Total length: 350 mm

## Standards

Category III



## Areas of use

- Chemical industry
- Laboratory work
- Handling of extremely dangerous, toxic chemicals, such as esters, ketones, acetone, aldehydes, amines, anhydrides, potassium hydroxide, sodium hydroxide, bases, alcohol, inorganic salts, organic acids and inorganic acids up to 20%
- Not resistant to: oils, greases, halogens and hydrocarbons

Size	Art. No.	P. Qty./pair
8	<b>0899 430 308</b>	1
9	<b>0899 430 309</b>	
10	<b>0899 430 310</b>	



# Chemical Protection Gloves

## NATURAL RUBBER CHEMICAL PROTECTION GLOVE WITH NEOPRENE



Heavy natural rubber and neoprene chemical protection glove

### Features

- Interior cotton flocking
- Excellent sensitive feel
- Good resistance to diluted acids and alkaline solutions
- Good mechanical resistance
- Tested as food-safe
- Material thickness: 0.67 mm  $\pm$  0.03 mm
- Total length: 320 mm
- Silicone-free manufacturing process
- 100 % liquid-sealed

### Norms and standards

Category III



### Areas of application

- Cleaning and maintenance work
- Chemical industry
- Food processing industry
- Laboratory work

Size	Art. No.	P. Qty./pair
8	0899 435 508	6
9	0899 435 509	
10	0899 435 510	

## NEOPRENE/LATEX CHEMICAL PROTECTION GLOVE



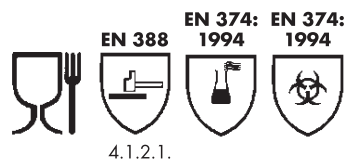
Natural rubber glove with outer neoprene layer

### Features

- Interior cotton flocking
- Excellent grip thanks to rhomboid profile on hand inner surface and fingertips
- Tested as food-safe
- 100 % liquid-sealed
- Material thickness: 0.67 mm  $\pm$  0.03 mm
- Total length: 320 mm

### Norms and standards

Category III



### Areas of application

- Suitable for industrial maintenance and cleaning work
- Handling of pesticides and agricultural chemicals
- Cleaning and handling activities in food processing industry
- Construction chemicals in the sectors sealing, adhesive bonding, cleaning and joining
- For use in both interior finishing and as tiler's glove

Size	Art. No.	P. Qty./pair
8	0899 435 81	1
9	0899 435 82	
10	0899 435	

## BLACK NITRILE DISPOSABLE



Description	Art.	Size
Black Nitrile Disposable	<b>0899 470 397</b>	S
	<b>0899 470 398</b>	M
	<b>0899 470 399</b>	L
	<b>0899 470 400</b>	XL
	<b>0899 470 401</b>	XXL

**NOTE:** Standard pack size is 1000pcs/box

### Description

- Nitrile protective glove/black
- Full textured
- Thick version
- Does not contain allergy-triggering latex proteins
- Silicone-free manufacturing process
- Chlorinated powder free
- Can be worn on both sides
- Material thickness:  
Finger: min. 0.16 mm; Palm: min. 0.12 mm  
□ □ □ □ □ □ □ □ □ □
- EN standards/Performance values
- CE Cer□ □ □ □ □ □

### Application

- Automotive industries
- Laboratory work
- Chemical and electrical industries
- House painting work
- Painting and polishing work
- Cleaning and maintenance work

## BLUE NITRILE DISPOSABLE



Description	Art.	Size
Blue Nitrile Disposable	<b>0899 470 01</b>	M
	<b>0899 470 02</b>	L
	<b>0899 470 03</b>	XL

**NOTE:** Standard pack size is 100 pcs/box

### Description

- Nitrile Powder-free glove/4 mil
- Finger texture□ □ □ □ □ □ □
- Silicone-free
- Can be worn on both sides
- Material thickness:  
Finger: min. 0.11 +/- 0.02 mm  
Palm: min. 0.07 +/- 0.02 mm  
Total length: 240 mm

### Shelf-Life

5 years from the date of manufacture with stored in a dry condition and avoid direct sunlight.

### Application

- Laboratory work
- Pharmaceutical, chemical and electrical industries
- House painting work
- Painting and polishing work
- Cleaning and maintenance work

DISPOSABLE NITRILE GLOVE, EXTRA STRONG



Chemical protection glove according to EN 374

- Features**
- Nitrile protective glove
  - Does not contain allergy-triggering latex proteins
  - Powder-free
  - Silicone-free manufacturing process
  - Good grip thanks to roughened surface
  - Tested as food-safe
  - Material thickness: 0.20 mm ± 0.01 mm
  - Total length: 300 mm

**Standards**  
Category III

EN 388

3.0.0.1.

EN 374

J K L

EN 374

- Areas of use**
- Chemical industry
  - Food processing industry and catering
  - Electronics and computer industry
  - Laboratory and research
  - Cleaning and maintenance
  - Product protection
  - Printing industry

Size	Art. No.	P. Qty.
8	0899 470 408	50
9	0899 470 409	
10	0899 470 410	
11	0899 470 411	

# Welding Gloves

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## WELDING GLOVE „HEAT“



### Description

- Cowsplit Leather shell
- Jersey palm lined and black drill cu lined
- Kevlar stitching
- 11" length
- Wing thumb, red piping
- Conform to EN420/EN388/EN407

EN 388 EN 12477



4.1.4.4.



4.1.3.X.4.X.

Art. No. 0984 310 001

P.Qty. / pair : 12

## WELDING GLOVE „PRO“



### Description

- Cowsplit Leather shell
- Jersey palm lined and black drill cu lined
- Kevlar stitching
- 16" length
- Wing thumb, red piping
- Conform to EN420/EN388/EN12477

EN 388 EN 12477



4.1.4.4.



4.1.3.X.4.X.

Art. No. 0984 310 002

P.Qty. / pair : 12

## WELDING GLOVE „LEFTY“



### Description

- Lefty hand only
- Cowsplit leather shell
- Jersey palm lined and black drill cu lined
- Kevlar stitching
- 16" length
- Wing thumb, red piping
- Conform to EN420/EN388/EN12477

EN 388 EN 12477



4.1.4.4.



4.1.3.X.4.X.

Art. No. 0984 310 004

P.Qty. / pair : 12

**Welding Gloves**

**ALL-LEATHER GLOVE**



**Features**

- Hand inner surface of all-cowhide leather
- Hand backs and sleeve of split leather
- Very robust and durable
- Oil, grease and water repellent
- Total length: 35 cm

**Standards**

Category II

**EN 388 EN 12477**



2.1.2.2.



4.1.3.X.4.X.

**Areas of use**

- For universal use during welding, deburring and general work

Size	Art. No.	P. Qty./pair
10	<b>0984 314</b>	1

**ALL-LEATHER GLOVE**



**Features**

- Completely lined (incl. sleeve)
- Heat-insulating molleton lining
- Hand inner surface of all-cowhide leather
- Hand backs and sleeve of split leather
- Weld beads and flying sparks are repelled by the smooth leather surface
- Oil, grease and water repellent
- Very long service life
- Total length: 35 cm

**Standards**

Category II

**EN 388 EN 12477**



2.1.3.2.



4.1.3.X.4.X.

**Areas of use**

- For all welding work with increased heat development

Size	Art. No.	P. Qty./pair
10	<b>0984 315</b>	1

## Chapter 2

# Breathing Protection



# Breathing Protection

## Table of content

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# Particle Filtering Half Masks



## PARTICLE FILTERING HALF MASKS

Our colour-coding system makes it easier to select the correct breathing protection equipment and ensures that the required filter class is applied. Each head strap is colour-coded accordingly.

### FFP1 NR D



Protect against **non-toxic and non-fibrogenic** particles, dust and aerosols. Can be used for up to **four times** the limit value.

### FFP2 NR D



Protect against **noxious or low-toxicity** particles, dust, solid and liquid aerosols, mist and smoke. Can be used for up to **ten times** the limit value.

### FFP3 NR D



Protect against **poisonous/toxic** dust, mist, smoke, solid and liquid aerosols, carcinogenic substances, radioactive substances, enzymes and microorganisms (viruses, bacteria, fungi). Can be used for up to **thirty times** the limit value.

DISPOSABLE BREATHING MASK FFP 1



Features:

- Flexible aluminium nosepiece - Excellent fit on the face,secure seal in the nose area
- Soft inner fleece - Comfortable to wear
- Multi-layer filter medium - Excellent filter performance, low breathing resistance
- Elastic textile straps - Tear-resistant head straps, suitable for various head sizes
- Without exhalation valve

Description	Art. No.	Pack Qty.
P1 Respiratory Protection Mask	0899 110 400	20

Application area:

Breathing mask for protecting against low-toxicity contaminants in concentrations of up to four times the occupational exposure limit.

DISPOSABLE BREATHING MASK FFP2 WITH VALVE



Feature

- Flexible aluminium nosepiec - Excellent fit on the face, secure seal in the nose area
- Soft inner fleece - Comfortable to wear
- Multi-layer filter medium - Excellent filter performance, low breathing resistance
- Comfortable exhalation valve - Reduces exhalation resistance. Makes it easier for moisture and heat to escape
- Elastic textile strap - Tear-resistant head straps. Suitable for various head sizes

Description	Art. No.	Pack Qty.
P2 Respiratory Protection Mask	0899 121 100	20

Application area:

Protects against up to ten times the limit value of particles, dust, solid and liquid aerosols, mist and smoke that are hazardous or have a low level of toxicity, e.g. when grinding, cutting and machining softwood, processing glass and mineral fibres, and when performing activities that involve large amounts of dust in the construction industry and in agriculture.



## CUP-SHAPED MASK CM 3000 FFP1 NR D



Art. No.	0899 110 500
P. Qty.	20
Filter class	FFP1 NR D
Design	No valve
EN standard	149:2001 + A1:2009

### Application area

Protects against non-toxic and non-fibrogenic particles, dust and aerosols up to four times the limit value, e.g. when working in an environment with cement dust, flour dust or when demolishing masonry, stone or concrete.

## CUP-SHAPED MASK CM 3000 V FFP1 NR D



Art. No.	0899 110 501
P. Qty.	15
Filter class	FFP1 NR D
Design	With valve
EN standard	149:2001 + A1:2009

### Application area

Protects against non-toxic and non-fibrogenic particles, dust and aerosols up to four times the limit value, e.g. when working in an environment with cement dust, flour dust or when demolishing masonry, stone or concrete.

**Complete protection and comfortable to wear thanks to special, soft filter materials**

**Minimal breathing resistance**

**Perfect, sealed fit thanks to:**

- Preformed design
- Nose clip for optimised fitting
- Half sealing lip in the nose area

**Looped-through cotton head strap**

**Can be used together with Würth safety glasses for optimum protection**

**Complete protection and comfortable to wear thanks to special, soft filter materials**

**Exhalation valve ensures the user feels comfortable wearing the mask**

**Minimal breathing resistance**

**Perfect, sealed fit thanks to:**

- Preformed design
- Nose clip for optimised fitting
- Half sealing lip in the nose area

**Looped-through cotton head strap**

**Can be used together with Würth safety glasses for optimum protection**



FOLDING MASK FM 3000 FFP1 NR D



Art. No.	0899 110 520
P. Qty.	20
Filter class	FFP1 NR D
Design	No valve
EN standard	149:2001 + A1:2009

Application area

Protects against non-toxic and non-fibrogenic particles, dust and aerosols up to four times the limit value, e.g. when working in an environment with cement dust, flour dust or when demolishing masonry, stone or concrete.

- In a practical design that folds completely flat
- Hygienic individual packaging
- Complete protection and comfortable to wear thanks to special, soft filter materials
- Minimal breathing resistance
- Perfect, sealed fit thanks to:

- Nose clip for optimised fitting
- Half sealing lip in the nose area

Looped-through cotton head strap

Can be used together with Würth safety glasses for optimum protection

FOLDING MASK FM 3000 V FFP1 NR D



Art. No.	0899 110 521
P. Qty.	15
Filter class	FFP1 NR D
Design	With valve
EN standard	149:2001 + A1:2009

Application area

Protects against non-toxic and non-fibrogenic particles, dust and aerosols up to four times the limit value, e.g. when working in an environment with cement dust, flour dust or when demolishing masonry, stone or concrete.

- In a practical design that folds completely flat
- Hygienic individual packaging
- Exhalation valve ensures the user feels comfortable wearing the mask
- Complete protection and comfortable to wear thanks to special, soft filter materials
- Minimal breathing resistance
- Perfect, sealed fit thanks to:

- Nose clip for optimised fitting
- Half sealing lip in the nose area

Looped-through cotton head strap

Can be used together with Würth safety glasses for optimum protection

51EP-10107-11-11-001017-0

## CUP-SHAPED MASK CM 3000 FFP2 NR D



Art. No.	0899 110 502
P. Qty.	20
Filter class	FFP2 NR D
Design	No valve
EN standard	149:2001 + A1:2009

### Application area

Protects against up to ten times the limit value of particles, dust, solid and liquid aerosols, mist and smoke that are hazardous or have a low level of toxicity, e.g. when grinding, cutting and machining softwood, processing glass and mineral fibres, and when performing activities that involve large amounts of dust in the construction industry and in agriculture.

**Complete protection and comfortable to wear thanks to special, soft filter materials**

**Minimal breathing resistance**

**Perfect, sealed fit thanks to:**

- Preformed design
- Nose clip for optimised fitting
- Half sealing lip in the nose area

**Looped-through cotton head strap**

**Can be used together with Würth safety glasses for optimum protection**

## CUP-SHAPED MASK CM 3000 V FFP2 NR D



Art. No.	0899 110 503
P. Qty.	15
Filter class	FFP2 NR D
Design	With valve
EN standard	149:2001 + A1:2009

### Application area

Protects against up to ten times the limit value of particles, dust, solid and liquid aerosols, mist and smoke that are hazardous or have a low level of toxicity, e.g. when grinding, cutting and machining softwood, processing glass and mineral fibres, and when performing activities that involve large amounts of dust in the construction industry and in agriculture.

**Complete protection and comfortable to wear thanks to special, soft filter materials**

**Exhalation valve ensures the user feels comfortable wearing the mask**

**Minimal breathing resistance**

**Perfect, sealed fit thanks to:**

- Preformed design
- Nose clip for optimised fitting
- Half sealing lip in the nose area

**Looped-through cotton head strap**

**Can be used together with Würth safety glasses for optimum protection**

FOLDING MASK FM 3000 FFP2 NR D



Art. No.	0899 110 522
P. Qty.	20
Filter class	FFP2 NR D
Design	No valve
EN standard	149:2001 + A1:2009

Application area

Protects against up to ten times the limit value of particles, dust, solid and liquid aerosols, mist and smoke that are hazardous or have a low level of toxicity, e.g. when grinding, cutting and machining softwood, processing glass and mineral fibres, and when performing activities that involve large amounts of dust in the construction industry and in agriculture.

- In a practical design that folds completely flat
- Hygienic individual packaging
- Complete protection and comfortable to wear thanks to special, soft filter materials
- Minimal breathing resistance
- Perfect, sealed fit thanks to:
  - Nose clip for optimised fitting
  - Half sealing lip in the nose area
- Looped-through cotton head strap
- Can be used together with Würth safety glasses for optimum protection

FOLDING MASK FM 3000 V FFP2 NR D



Art. No.	0899 110 523
P. Qty.	15
Filter class	FFP2 NR D
Design	With valve
EN standard	149:2001 + A1:2009

Application area

Protects against up to ten times the limit value of particles, dust, solid and liquid aerosols, mist and smoke that are hazardous or have a low level of toxicity, e.g. when grinding, cutting and machining softwood, processing glass and mineral fibres, and when performing activities that involve large amounts of dust in the construction industry and in agriculture.

- In a practical design that folds completely flat
- Hygienic individual packaging
- Exhalation valve ensures the user feels comfortable wearing the mask
- Complete protection and comfortable to wear thanks to special, soft filter materials
- Minimal breathing resistance
- Perfect, sealed fit thanks to:
  - Nose clip for optimised fitting
  - Half sealing lip in the nose area
- Looped-through cotton head strap
- Can be used together with Würth safety glasses for optimum protection

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COMFORT MASK CM 3000 PRO V FFP2 NR D



Optimum protection with maximum comfort

- Two extra filters ensure a longer service life and minimal breathing resistance
- Mask is more pleasant to wear thanks to an exhalation valve and two additional inhalation valves (heat and moisture)
- 3D nose area ensures an optimum fit. Mask can also be used with Würth safety glasses and provides a clear field of vision
- Head strap length can be adjusted in a flexible manner
- Sealing lip all round for optimum seal

Art. No.	0899 110 510
P. Qty.	5
Filter class	FFP3 NR D
Design	With valve
EN standard	149:2001 + A1:2009

Application area

Protects against up to ten times the limit value of particles, dust, solid and liquid aerosols, mist and smoke that are hazardous or have a low level of toxicity, e.g. when grinding, cutting and machining softwood, processing glass and mineral fibres, and when performing activities that involve large amounts of dust in the construction industry and in agriculture.



## FOLDING MASK FM 3000, CARBON V FFP2 NR D



Art. No.	0899 110 524
P. Qty.	10
Filter class	FFP2 NR D
Design	With valve
EN standard	149:2001 + A1:2009

### Application area

Protects against up to ten times the limit value of particles, dust, solid and liquid aerosols, mist and smoke that are hazardous or have a low level of toxicity, e.g. when grinding, cutting and machining softwood, processing glass and mineral fibres, when performing activities that involve large amounts of dust in the construction industry and in agriculture, when sorting waste and performing disposal and welding operations.

**With active carbon to remove unpleasant odours and for use when welding under the occupational exposure limit**

**In a practical design that folds completely flat**

**Hygienic individual packaging**

**Exhalation valve ensures the user feels comfortable wearing the mask**

**Complete protection and comfortable to wear thanks to special, soft filter materials**

**Minimal breathing resistance**

**Perfect, sealed fit thanks to:**

- Nose clip for optimised fitting
- Half sealing lip in the nose area

**Looped-through cotton head strap**

**Can be used together with Würth safety glasses for optimum protection**

## FOLDING MASK FM 3000 V FFP3 NR D



Art. No.	0899 110 525
P. Qty.	10
Filter class	FFP3 NR D
Design	With valve
EN standard	149:2001 + A1:2009

### Application area

Protects against hazardous/poisonous particles, dust, solid and liquid aerosols, mist and smoke, as well as carcinogenic and radioactive substances, enzymes and micro-organisms (viruses, bacteria, fungi) up to 30 times the limit value, e.g. when grinding and processing beech, oak and tropical wood, when working with asbestos, when welding, when handling bacteria, viruses, mould, spores and radioactive particles.

**In a practical design that folds completely flat**

**Hygienic individual packaging**

**Exhalation valve ensures the user feels comfortable wearing the mask**

**Complete protection and comfortable to wear thanks to special, soft filter materials**

**Minimal breathing resistance**

**Perfect, sealed fit thanks to:**

- Nose clip for optimised fitting
- Sealing lip around the circumference
- Head strap length can be adjusted

**Can be used together with Würth safety glasses for optimum protection**

## CUP-SHAPED MASK CM 3000, CARBON V FFP2 NR D



Art. No.	0899 110 504
P. Qty.	15
Filter class	FFP2 NR D
Design	With valve
EN standard	149:2001 + A1:2009

### Application area

Protects against up to ten times the limit value of particles, dust, solid and liquid aerosols, mist and smoke that are hazardous or have a low level of toxicity, e.g. when grinding, cutting and machining softwood, processing glass and mineral fibres, when performing activities that involve large amounts of dust in the construction industry and in agriculture, when sorting waste and performing disposal and welding operations.

**With active carbon to remove unpleasant odours and for use when welding under the occupational exposure limit**

**Exhalation valve ensures the user feels comfortable wearing the mask**

**Complete protection and comfortable to wear thanks to special, soft filter materials**

**Minimal breathing resistance**

**Perfect, sealed fit thanks to:**

- Preformed design
- Nose clip for optimised fitting
- Half sealing lip in the nose area

**Looped-through cotton head strap**

**Can be used together with Würth safety glasses for optimum protection**

## CUP-SHAPED MASK CM 3000 V FFP3 NR D



Art. No.	0899 110 505
P. Qty.	5
Filter class	FFP3 NR D
Design	With valve
EN standard	149:2001 + A1:2009

### Application area

Protects against hazardous/poisonous particles, dust, solid and liquid aerosols, mist and smoke, as well as carcinogenic and radioactive substances, enzymes and micro-organisms (viruses, bacteria, fungi) up to 30 times the limit value, e.g. when grinding and processing beech, oak and tropical wood, when working with asbestos, when welding, when handling bacteria, viruses, mould, spores and radioactive particles.

**Complete protection and comfortable to wear thanks to special, soft filter materials**

**Exhalation valve ensures the mask is more pleasant to wear**

**Minimal breathing resistance**

**Optimum fit and seal thanks to**

- Pre-moulded design
- Nose bit for improved hold
- Tight seal all the way around
- Adjustable head strap

**Can be used together with Würth safety glasses for optimum protection**

COMFORT MASK CM 3000 PRO V FFP3 NR D



Art. No.	0899 110 511
P. Qty.	5
Filter class	FFP3 NR D
Design	With valve
EN standard	149:2001 + A1:2009

Application area

Protects against hazardous/poisonous particles, dust, solid and liquid aerosols, mist and smoke, as well as carcinogenic and radioactive substances, enzymes and micro-organisms (viruses, bacteria, fungi) up to 30 times the limit value, e.g. when grinding and processing beech, oak and tropical wood, when working with asbestos, when welding, when handling bacteria, viruses, mould, spores and radioactive particles.

Optimum protection with maximum comfort

- Two extra filters ensure a longer service life and minimal breathing resistance
- Mask is more pleasant to wear thanks to an exhalation valve and two additional inhalation valves (heat and moisture)
- 3D nose area ensures an optimum fit. Mask can also be used with Würth safety glasses and provides a clear field of vision
- Head strap length can be adjusted in a flexible manner
- Sealing lip all round for optimum seal

Breathing Protection



# Half Masks

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## PAINT-SPRAY PROTECTION MASK

CE 96.0194



### Application areas

Mainly for paint-spraying and when handling solvents (e.g. diluting agents such as butyraldehyde, Z-thoxyl ethyl acetate, or xylol; combined solvents such as turpentine oil, or CKW such as Tri).

### Disposable mask with double filter FFA 1 according to EN 405

- Gas-filtering half mask for use against organic gases and vapours up to 30 times their limit values.
- Safety on account of a comfortable sealing fit.
- Comfortable fit because of head bands.
- Good distribution of weight.
- Low breathing resistance.
- Tightly fitting filters resulting in good freedom of movement.
- Suitable for persons wearing glasses.
- On account of high charcoal content the disposable paint-spray mask can be used until the charcoal is used completely. Depending on the amount of contamination in the ambient air the mask can be used for several days. Please ensure that the mask is put back into the sealable bag when it is not in use (break, end of shift etc.). This can decisively extend the service life of the mask.
- The mask is completely burnable.

**Art. No. 0899 160**

P. Qty. 1

### Please Note

Our examples for the application do not claim to be complete or correct. Constant research and test about pollutants and their effects on the human body are frequently subject to new assessment or new assignment with respect to AGW-value and therefore to the respective filter class.

## HALF MASK FACEPIECE HM 173



CE

**With bayonet attachment complying with EN 141**

- The perfect sealing face thanks to a soft, pleasant mask body.
- Double filter for minimal obstruction to breathing.
- Bands fixed at 4 points for a high degree of stability.
- Can be used in conjunction with safety goggles.
- Silicone-free.

**Art. No. 0899 173**

P. Qty. 1

### Areas of application

Chemical and paint processing workshops, refuse disposal and decontamination companies, wood processing and finishing workshops, flooring companies, plastic processing, car and other workshops (employing the correct filter in each case).

**Please note:** filter is not included in delivery.

## PAINT SPRAY SET



### Consists of:

- 1x half mask facepiece HM 173
- 2x gas filter A 2
- 2x fine dust filter P 2
- 2x filter container
- 1x convenient storage box!

**Art. No. 0899 173 100**

P. Qty. 1

### Accessories

**Storage box (empty)**

**Art. No. 0899 171 000**

P. Qty. 1

### Areas of application

The ready-to-use paint spray set for painting and for the application of solvents.

## GAS AND COMBINATION FILTER FINE DUST FILTER

### For half face mask HM 173

- Bayonet connection system in accordance with EN 141
- Low weight
- Optimum weight distribution
- Using the filter holder art. no. 0899 173 007, the gas filters can be combined with the fine-dust filters

### Areas of application

Chemical and paint processing industry, waste disposal and decontamination companies, wood processing, floor installers, plastics processing industry, automotive and other workshops (with the appropriate filters in each case).



Filter type	Colour code		Hazardous material	Application	Art. no.	PU/Qty.
P 2 ①	White		Fine dust up to 10 times the limit value, with full mask up to 15 times the limit value	As a particle pre-filter for A2 gas filter 0899 173 003. For solid and liquid particles.	<b>0899 173 001</b>	10
P 3 ②	White		Fine dust up to 30 times the limit value, with full mask up to 400 times the limit value	Against solid and liquid particles of toxic, highly toxic and carcinogenic substances	<b>0899 173 002</b>	6
A 2 ③	Brown		Organic vapours and gases (boiling point above 65 °C)	Spray painting, use of solutions (high absorption capacity)	<b>0899 173 003</b>	6
A2 P3 ④	Brown	White	Organic vapours and gases (boiling point above 65 °C) and fine dust (see P3)	Spray painting, solutions, highly poisonous and carcinogenic substances	<b>0899 173 004</b>	4
A 1 B 1 E 1 K 1 ⑤	Brown Yellow	Grey Green	Organic vapours, inorganic and acid gases, ammonia and derivatives	Use of chlorine, bleaching agents, hydrochloric acid, sulphur dioxide, methylamine	<b>0899 173 005</b>	4
A BEK 1 P3 ⑥	Brown Yellow White	Grey Green	Organic vapours, inorganic and acid gases, ammonia and derivatives Fine dust up to 30 times the limit value, with full mask up to 400 times the limit value	Use of chlorine, bleaching agents, hydrochloric acid, sulphur oxide, methylamine, against solid and liquid particles of toxic, highly toxic and carcinogenic substances	<b>0899 173 006</b>	4
Filter hold ⑦			Is needed for use of the particle filter in combination with A 2 gas filter		<b>0899 173 007</b>	2

RESPIRATOR RE-FLEX FMP2 W/VALVE



Easy Filter Replacement

- 1. Place the filter in the housing.
- 2. Screw the lock ring to secure everything in place.
- 3. Breathe easy and safe.



Description	Art. No.	Pack Qty.
Airtight bag with one mesh and twenty r	0899 121 120	1
Single mesh only	0899 121 121	

Features:

- 3 Part mask:
  - Outer housing with exhalation.
  - Valve and locking ring.
  - Replaceable fibre filter.
- Adjustable head strap with easy lock.
- Certified to AS/NZS 1716:2003.
- Conforms to EN FMP2 & NIOSH N95 Standard.

Benefits:

- Reusable filter saves money and waste.
- Exhalation valve offers easy breathing in hot and humid conditions.
- Preshaped nose bridge maximizes comfort.
- Flexible mesh means mask can be folded and placed in the pocket when not in use and still retain shape when required.
- Metal free:
  - No metal nose band.
  - Suitable for industries such as mining, food and electric who often request a metal free product.
- Environmentally friendly: no need to throw away valve and strap every time.
- Durable construction: not easy to damage the mask.





# Full Masks



## VM 142 FULL-FACE MASK

**Full-face mask according to EN 136 Class 2, with standardised round-thread connection according to EN 148-1**

**Art. No. 0899 142**

P. Qty. 1

**The VM 142 full-face mask is the ideal solution in environments in which not only high-performance breathing protection, but also clear vision is required.**

- Intelligent ventilation system for non-fogging visor.
- Mask body consists of high-quality, durable EPDM material.
- The double sealing frame and the triple sealing line offer reliable protection and a tight seal for all face shapes.
- Large, distortion-free visor of scratch-proof Plexiglas (PMMA).
- Effortlessly adjustable 5-point straps.

### Applications

Applications in all areas of industry, energy management, disposal companies and skilled trades.

Wherever vapours, solvents and gases occur and effective breathing and face protection is required.



### Accessories

#### Carrying Can for Full-Face Mask and Filter

- For storing and constant provision of full-face mask and filter.

**Art. No. 0899 142 020**

P. Qty. 1



#### Visor Protection Film

- For protecting the visor during painting work.

**Art. No. 0899 142 001**

P. Qty. 25





## Chapter 3

# Eye and Face Protection





# Eye Protection

Eye Protection



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# Safety Glasses

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LIBRA® SAFETY GOGGLES

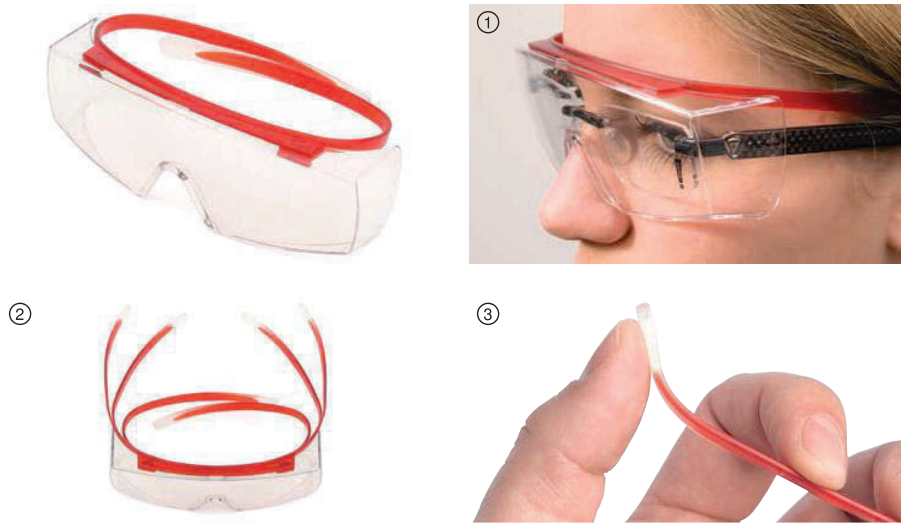


The light-weight among safety goggles.

- Unique ultra-light safety goggles for unhindered working
- Barely noticeable light weight at only 18 g
- First-class wearing comfort thanks to a new type of bow technology: Two-component technology for pressure-free seating  
Smooth transition from hard to soft plastic on bow end
- Extremely thin and breakproof lens
- Lens with extraordinary visual clarity
- Optimum fit and wearer safety
- Perfect safety and a sporty design
- Unique coating
- Outside: extremely scratch-resistant
- Inside: always condensation-free
- 100% UV protection up to 400 nm

Version	Art. No.	P.Qty.
Clear	0899 102 270	1
Gray	0899 102 271	

LIBRA® FULL-VIEW GOGGLES



- Outstanding combination with prescription glasses possible ①
- No contact between straps and prescription glasses, therefore no pressure points
- Fast, automatic adjustment of straps to head shape
- Outstanding fit and safety ②
- Soft, especially flexible strap ends offer pleasant wearing comfort ③

**Areas of application:**  
Milling, lathing and grinding work, precision mechanical work, assembly and laboratory work, outdoor work, visitor's goggles

Version	Art. No.	P.Qty.
Clear	0899 102 275	1

Libra® outer goggles combine perfect protection, pleasant wearing comfort and versatility in a single model. Whether they are used as outer goggles in conjunction with prescription glasses, as visitor's goggles or as universal safety goggles for everyday working conditions - Libra® outer goggles meet an extremely broad range of requirements.

- Excellent coverage of eye area
- Innovative lens technology with excellent optical clarity: wave-front-optimized polycarbonate lenses offer a crystal-clear view and distortion-free image quality
- Fatigue-free working
- Higher powers of concentration
- Increased wearing comfort
- Avoidance of risk of accidents and errors
- Optimally suited for long periods of use and in conjunction with prescription glasses
- High-quality coating of lenses
- Outside: extremely scratch-resistant
- Inside: always condensation-free
- 100% UV protection up to 400 nm
- Complies with EN 166 and EN 170

SAFETY GOGGLES



Art. No.	0899 102 230
P. Qty.	1
Colour of disc	Clear
EN standard	166, 170
Mechanical strength	F (45m/s)

Polycarbonate

- Fit over all prescription glasses
- Unrestricted side perception through panoramic lens with 180° field of view
- Polycarbonate lens with matt roof section to suppress reflections

Eye Protection

SAFETY GLASSES FORNAX® PLUS



Art. No.	0899 102 242
P. Qty.	1
Colour of disc	Clear
EN standard	166, 170
Mechanical strength	F (45m/s)

Application area

Assembly work, grinding and milling work

Maximum protection in an innovative design

Optimum protection for the eye area

- With integrated side protection
- Large field of vision thanks to panoramic pane

Special pane technology with high-quality coating

- Distortion-free view
- Outer panes are extremely scratch-resistant and inside panes feature a permanent anti-fog coating
- 100% UV protection (up to 400 nm)

Innovative arm technology

- Very comfortable thanks to flexible two-component arms
- Can be adjusted flexibly thanks to the variable inclination of the arms
- Secure fit without pressure marks – even after long periods of wear

Clever design

- Very compact with arms folded in
- Excellent in combination with breathing masks

SAFETY GOGGLES CETUS



Perfect protection with a sporty, dynamic, fashionable look

Perfect all-round protection:

- Large field of vision
- Optimum eye coverage, also at the sides
- Distortion-free view
- 100 % UV protection (up to 400 nm)

High-quality lens coating:

- Outside: Extremely scratch-resistant
- Inside: Always fog-free

Innovative arm technology:

- The combination of hard and soft components at the end of the arm guarantees a high level of comfort and a reliable fit
- The arm concept guarantees excellent ventilation and a healthy feeling for eyes.

Art. No.	0899 102 320	0899 102 321
P. Qty.	1	1
Colour of disc	Clear	Grey
EN standard	166, 170	166, 172
Mechanical strength	F (45m/s)	F (45m/s)

Eye Protection



SAFETY GLASSES TAURUS®



**Sporty, dynamic metal frame goggles for perfect protection at work.**

- Maximum safety coupled with optimum comfort
- High-quality metal frame
- Good fit
- Scratchproof with permanent fog-free coating on both sides of the lenses
- Individually adjustable, flexible nose bridge
- Screwless lens holder provides a high level of safety for mechanical stresses
- Microfibre bag to store and clean the glasses (included)
- 100% UV protection (up to 400 nm)

Art. No.	0899 102 291	0899 102 290
P. Qty.	1	1
Colour of disc	grey	clear
EN standard	166, 172	166, 170
Mechanical strength	F (45m/s)	F (45m/s)

SAFETY GOGGLES SPICA®



**Sporty eye protection with enhanced comfort**

**Protection and comfort**

- Large field of vision
- Ideal adjustment to your face
- Soft nose bridge for non-slip and comfortable fit
- Ergonomic, soft face support

**High-quality lenses with special coating**

- Outer panes are extremely scratch-resistant and inside panes feature a permanent anti-fog coating
- 100% UV protection (up to 400 nm)

**Innovative arm technology**

- Variable arm inclination for individual adjustment and optimum eye coverage
- Adjustable arm flexible zone for perfect width adaptation
- Soft arm ends ensure a secure fit, without pinching

Art. No.	0899 102 331	0899 102 330
P. Qty.	1	1
Colour of disc	grey	clear
EN standard	166, 172	166, 170
Mechanical strength	F (45m/s)	F (45m/s)

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Eye Protection

CASSIOPEIA SAFETY GOGGLES



Designation	Model	Art. No.	P. Qty.
Cassiopeia Safety Goggles	clear	0899 102 220	1
	yellow	0899 102 221	
	grey	0899 102 222	

- Pioneering, dynamic design.
- Bows with four air cushions for pressure-free fit (Fig. 1).
- Length and rake of bows can be adapted individually (Fig. 2).
- Covers large area.
- Wide field of vision due to ergonomically shaped lenses.
- Highly impact-resistant poly-carbonate lenses.
- Scratchproof coating.
- 100% UV protection up to 400 nm

Available models:

- Clear: complies with EN 166 and EN 170
- Yellow: complies with EN 166 and EN 170  
With contrast-increasing effect under poor lighting conditions.  
Supports fluorescent effect when using leak-finding systems with additives.
- Grey: complies with EN 166 and EN 172  
Can be used as glare protection against radiation sources and sun.  
Perception of signal colours ensured.

CEPHEUS SINGLE-LENS STRAP GOGGLES



Designation	Model	Complies with standard	Art. No.	P. Qty.
Cepheus Single-Lens Strap Goggles	clear	DIN EN 166 + 170	0899 102 250	1
	yellow	DIN EN 166 + 170	0899 102 251	
	grey	DIN EN 166 + 172	0899 102 252	

- Light safety goggles with duospherical lens.
- Sporty flexible bows for pressure-free fit.
- Unrestricted side perception.
- Highly impact-resistant polycarbonate lens.
- Scratchproof coating.
- 100% UV protection up to 400 nm.

WEGA® SAFETY GOGGLES



Sporty strap goggles with perfect all-around protection

- Permanently molded-on, flexible component
- Reliably shields the eyes against flying particles
- Snugly and individually adapts to shape of face to provide pleasant wearing comfort and perfect protection
- Combines properties of strap goggles and full-vision goggles in one model
- Optimal fit thanks to strap length adjustment and strap inclination
- High-quality coating of lenses
- Outside: extremely scratch-resistant  
Inside: always condensation-free
- 100 % UV protection up to 400 nm
- Complies with EN 166 and EN 170

Areas of application:

Thanks to their great variability, Wega® safety goggles are the ideal glasses under frequently changing conditions of use. From lathing and milling work to applications with a high dust and

particle loading level to wind protection when working outdoors – the Wega® is an extremely reliable companion. And the all-around protection is even retained in combination with other personal safety equipment.

Version	Art. No.	P.Qty.
Clear	0899 102 115	1

WEGA® FULL-VIEW GOGGLES



The light-weight among full-view goggles.

- Slim Design and low weight (46 g)
- Optimum seating and high wearing comfort thanks to flexible soft components
- Snugly and individually adapts to shape of face
- Adjustable head band
- High-quality coating of lenses
- Outside: extremely scratch-resistant  
Inside: always condensation-free
- Optimal combination with safety helmets and breathing protection masks
- 100 % UV protection up to 400 nm
- Complies with EN 166 and EN 170

Version	Art. No.	P.Qty.
Clear	0899 102 116	1

Eye Protection

SAFETY GLASSES ERGO TOP



**Innovative frame technology for maximum protection and comfort**

**Special frame technology**

- Maximum hold, no falling from head
- Pleasant wearing comfort owing to even distribution of contact pressure
- Good combination option with corrective eye wear as no pressure on frames of corrective glasses.
- Variable frame inclination for optimal adjustment to face shape

Art. No.	0899 102 002
P.Qty.	1
Colour of disc	clear
EN standard	166, 170
Mechanical strength	F (45m/s)

SAFETY GLASSES ELECTRA



**Highly functional safety glasses in sporty filigree design**

**Optimal fit – optimal perspective**

- Suitable for a wide range of head sizes
- 100% UV protection (up to 400 nm)

**Excellent comfort**

- Extremely low weight of 23 g
- Soft, adjustable nose rest for non-slip fit
- Anti-slip arm ends

**High-quality lens coating**

- Outside is extremely scratch-resistant
- Inside features a permanent mist-free coating

Art. No.	0899 102 341	0899 102 340
P.Qty.	1	1
Colour of disc	grey	clear
EN standard	166, 172	166, 170
Mechanical strength	F (45m/s)	F (45m/s)



FULL-VISION GOGGLES SCORPIUS



Art. No.	0899 102 160
P.Qty.	1
Colour of disc	clear
EN standard	166, 170
Mechanical strength	B (120m/s)

Additional accessory	Art. No.
Sun protection lens	0899 102 162

The integrated magnet technology enables a sun protection lens to be attached and removed quickly and flexibly.

Very comfortable to wear thanks to the two-component technology

Perfect fit, in particular for narrow heads

Compact geometry

- Good airtight fit
- Reduced height, easy to wear with hard hats and breathing masks
- Lightweight

High-quality lens coating

- Outside is extremely scratch-resistant
- Inside features a permanent mist-free coating

100% UV protection up to 400 nm

SUN PROTECTION LENS



Art. No.	0899 102 162
P.Qty.	1
Werkstoff	Polycarbonate - PC
EN standard	166, 172
Colour of disc	grey

For Scorpion full-vision goggles

Eye Protection

ANDROMEDA FULL-VISION GOGGLE



Fig. 1

- Innovative two-component technology for reliable protection and maximum wearing comfort.
- Large-volume; excellently suited for users who wear glasses (Fig. 1).
- Panorama field of view.
- First-class eye climate thanks to optimum ventilation.
- Can be combined with half masks.
- Highly impact-resistant polycarbonate lens.
- Unique coating (outside extremely scratchproof, inside permanently resistant to fogging).
- Fast, simple lens changes.
- Individually adjustable head strap.
- 100% UV protection up to 400 nm.
- Complies with EN 166 and EN 170.

Designation	Art. No.	P. Qty.
Andromeda Full-Vision Goggle	0899 102 110	1
Replacement lens, polycarbonate	0899 102 111	

FULL-VISIONSAFETY GOGGLE



- Large-volume; excellently suited for users who wear glasses.
- All-round ventilation system.
- Frosted body for suppressing light reflections.
- Can be combined with half masks.
- Chemical-resistant acetate lens.
- Fogproof coating.
- Lenses easy to replace.
- Individually adjustable head strap.
- Complies with EN 166 and EN 170.

Designation	Art. No.	P. Qty.
Full-Vision Safety Goggle	0899 102 100	1
Replacement lens, acetate	0899 102 101	

## GLASSCLEANING TOWELETTES



- Special moist cleaning towelettes for gentle cleaning of all glasses, especially all safety glasses.
- Suitable for all glasses coatings.
- Silicone-free.
- Practical dispenser box with 100 individually packaged moist cleaning towelettes.

**Art. No. 0899 102 300**

P. Qty. 100



SAFETY GLASSES „STANDARD“



Description

- First class polycarbonate lens and polycarbonate temple
- Sporty & dynamic design
- Anti-scratch & impact resistance
- UV protection up to 99.9%
- CE marked, conform to EN 166-2001
- AS/NZS marked, conform to AS/NZS 1337.1:2010
- Conform to ANSI Z87.1-2010

Application

Construction, grinding, milling, light & precision, engineering, assembly & maintenance, laboratory & outdoor work etc.

Description	Art.	Color
Standard	0899 103 120	Clear
	0899 103 121	Grey
	0899 103 122	Amber
	0899 103 123	Amber



## SAFETY GLASSES PROTEGO LIGHT



**Sporty full-frame design for full protection, and thinner temple with soft tip and maximum comfort.**

- Sporty full-frame design for full protection.
- Flexible nylon frame & temples.
- Thinner temple with soft tip and maximum comfort.
- Anti-fog lens with Regular black painted temple
- Meet with AS/NZS 1337.1:2010 standard

Eye Protection

<b>Art. No.</b>	<b>0899 103 165</b>
<b>P. Qty.</b>	1
<b>Colour of safety lens</b>	Black
<b>Material of safety lens</b>	Nylon (polyamide)
<b>UV protection</b>	99,9 %
<b>EN standard</b>	0 - not applicable
<b>Mechanical strength</b>	F (45m/s)
<b>Australian standard</b>	AS/NZS 1337.1

# Face Shields

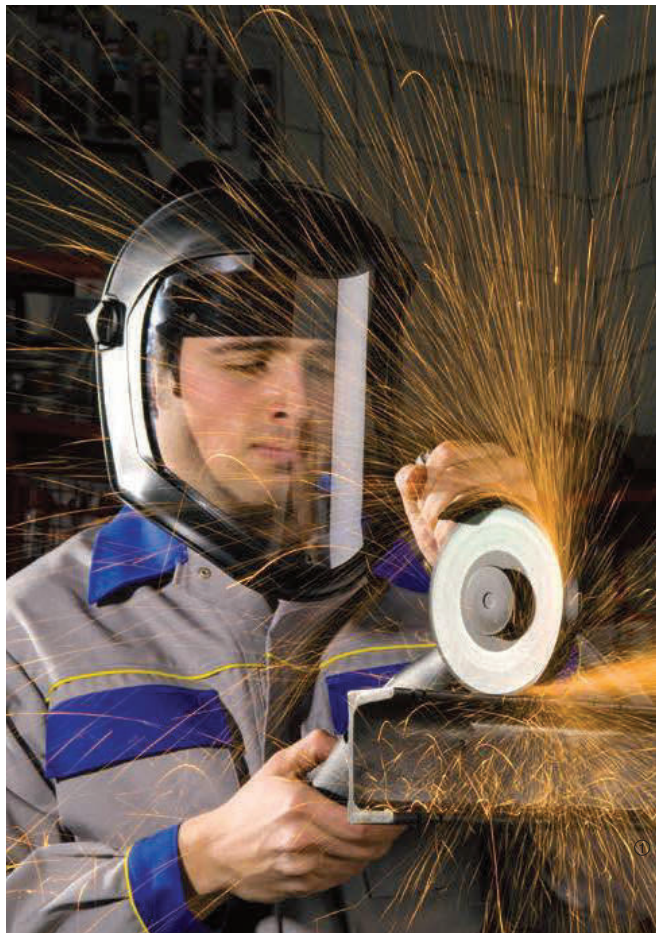
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Eye Protection





## FACE-PROTECTION SCREEN



**Perfect protection for grinding and cutting work, as well as against dripping or splashing liquids.**

- Maximum safety with optimum wearing comfort.
- Special geometry offers expanded protection for the forehead and chin
- Large, resistant polycarbonate visor with wide field of vision
- Easy, fast screen replacement.
- Multiply adjustable visor inclination.
- Individual adaptation of the headband
- Soft padding of all parts that come into contact with the head
- Tested pursuant to EN 166 and 170

### Applications

Automobile, construction, chemical, and heavy industry, painting, welding, and cutting

Designation	Art. No.	P. Qty.
Face-protection screen, complete, with polycarbonate screen	<b>0899 101 202</b>	1
Replacement screen, polycarbonate	<b>0899 101 203</b>	1

## FACE GUARD

**Complete with Universal Retainer**



- Fits all helmets with rain groove.
- Face guard shield can be flipped up.
- Protective shield made of impact-resistant polycarbonate.

### Electrician's Face Guard with VDE approval

- Complete with universal retainer.
- Acetate shield approved up to 1,000 V.
- Shield cannot be replace

Model	Art. No.	P. Qty.
Polycarbonate Face Guard, complete	<b>0899 201 100</b>	1
Polycarbonate Replacement Shield	<b>0899 201 101</b>	

## Chapter 4

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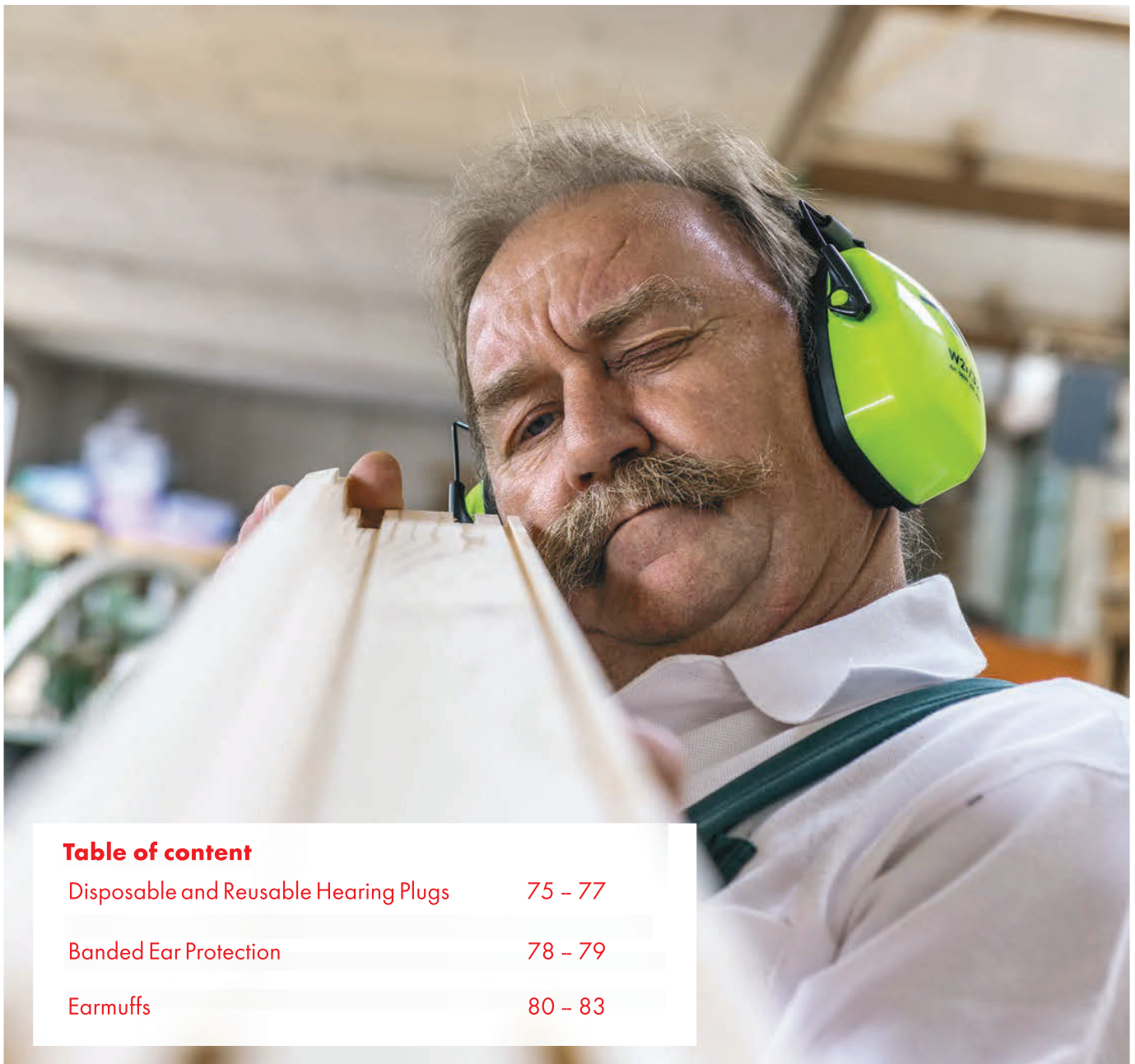
# Hearing Protection

Hearing Protection





# Hearing Protection



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# Disposable and Reusable Hearing Protection Plugs

Hearing Protection

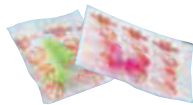


## Disposable and Reusable Hearing Protection Plugs

### FOAM EARPLUGS - CORDED / UNCORDED



Bagged



Art. No. 0899 300 331  
Art. No. 0899 300 334



Loose



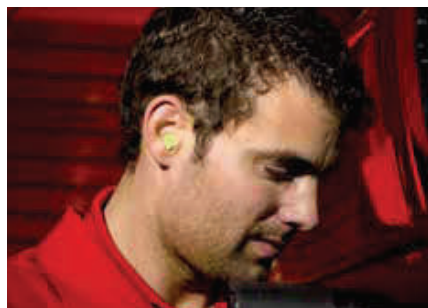
Art. No. 0899 300 342



Bagged with string



Art. No. 0899 300 332



**Disposable earplugs made of PU foam. Especially designed for increased comfort over long periods and maximum protection.**

- Very good insulation and hearing protection.
- Maintain excellent speech clarity during use.
- Closed surface prevents penetration of foreign bodies and dirt particles in the plug.
- Corded option allows for readily available and always at-hand hearing protection.
- Complies with EN352 and AS/NZS1270.

**X-100 Series** - Ergonomic, cone-shaped disposable ear plugs for use in extremely noisy environments. Class 5 protection.



**X-200 Series** - Thin, ergonomically-shaped disposable earplugs for people with narrow ear canals. Class 4 protection.



**X Depression** reduces the contact pressure at the ear canal opening and allows for quick and easy insertion.

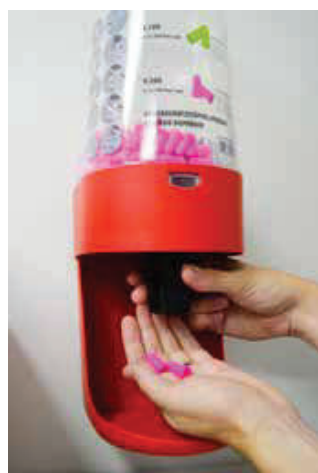


Description	SLC80 as per AS/NZS 1270:2002	Type	X-200 Type Art. No.	Pairs
Earplugs - Bagged Pairs	26dB - Class 5	X-100	<b>0899 300 331</b>	200
Earplugs - Bagged Corded Pairs			<b>0899 300 332</b>	100
Earplugs - Loose Pairs			<b>0899 300 342</b>	50
Earplugs - Bagged Pairs	22dB - Class 4	X-200	<b>0899 300 334</b>	200








### EAR PLUGS DISPENSER SYSTEM



Art. No. 0899 300 336  
Art. No. 0899 300 337







**Wall-mountable earplug dispenser system.**

- Easy wall mounting.
- Hassle-free    
- Grid rotation system prevents multiple plugs from falling out.
- Catch shelf prevents the plugs from falling to   
- Fill quantity: 400 pairs (supplied empty).
- Suitable for use with 0899 300 336 and 0899 300 337.

#### Application Areas:

Mining, construction, food processing, mills, furniture manufacturers, printing companies, manufacturing, automotive - panel and mechanics.

Description	SLC80 as per AS/NZS 1270:2002	Type	Art. No.	P. Qt .
Earplug Dispenser Empty	-	Dispenser	<b>0899 300 335</b>	1
Earplugs - Loose    	26dB - Class 5	X-100	<b>0899 300 336</b>	200
	22dB - Class 4	X-200	<b>0899 300 337</b>	200



## EAR PLUGS "SOFT"



SNR value	L value	M value	H value
36 dB	29 dB	33 dB	36 dB

### Pleasant wearing comfort

Thanks to the use of a heat-reactive foam.

### Outstanding insulating properties

An SNR value of 36 dB (A) ensures an extremely high degree of noise protection.

### Cylindrical form

### Heat-reactive foam:

The special foam with a fine cell structure adapts optimally to the ear channel. While the plugs are firm enough at the start to be able to shape and insert them, the foam heats up to body temperature and becomes softer and more comfortable the longer they are worn.

Designation	Art. No.	Content
Disposable Dispenser	<b>0899 300 201</b>	200 pair

## SLATTED EAR PLUGS WITH CORD



SNR value	L value	M value	H value
27 dB	22 dB	24 dB	27 dB

### Pleasant wearing comfort

thanks to soft "slats".

### Always on hand

due to a safety cord.

### Great insulation properties

with good signal and voice detection.

### Delivery in storage box.

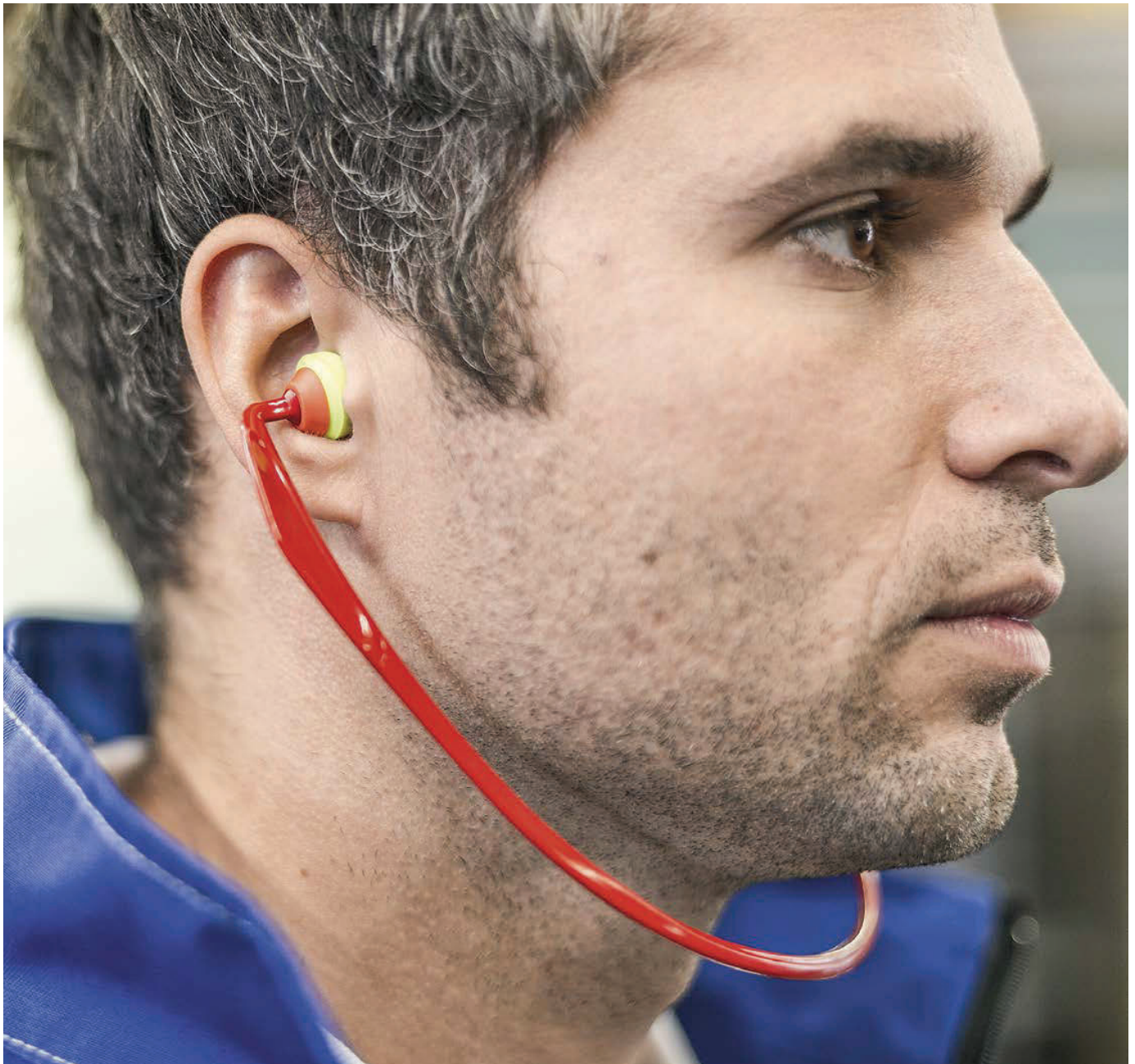
**Art. No. 0899 300 338**

P. Qty. 1



# Banded Ear Protection

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## BANDED HEARING PROTECTION



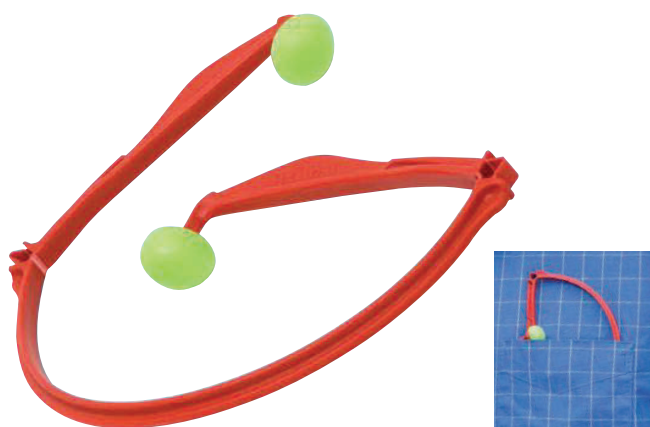
SNR value	L value	M value	H value
24 dB	18 dB	19 dB	27 dB

### x-300

- For wearing under the chin.
- Designed based on the latest knowledge of ergonomics.
- Oval plugs perfectly close up the ear canal.
- Fixing of the band prevents disturbing noises caused by friction.
- Lightweight at only 8 g.

Designation	Art. No.	P. Qty.
x-300 Banded Hearing Protection	<b>0899 300 339</b>	1 pc.
Replacement Plugs for x-300	<b>0899 300 340</b>	5 pairs

## BANDED HEARING PROTECTION



SNR value	L value	M value	H value
23 dB	17 dB	18 dB	26 dB

### x-300, folding

- Hinged joint allows folding so that it can be placed and carried practically and comfortably in any shirt or jacket pocket.
- For wearing under the chin.
- Designed based on the latest knowledge of ergonomics.
- Oval plugs perfectly close up the ear canal.
- Fixing of the band prevents disturbing noises caused by friction.
- Light-weight at only 8 g.

Designation	Art. No.	P. Qty.
x-300 Banded Hearing Protection folding	<b>0899 300 341</b>	1 pc.
Replacement Plugs	<b>0899 300 340</b>	5 pairs

# Earmuffs

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## FOLDABLE EARMUFFS






**Special folding design provides maximum comfort and hearing protection while allowing the user to fold away and store the earmuffs in the minimum amount of space.**

- SLC (80) rated 27 dB (Class 5)
- Complies with AS/NZS 1270:2002 and EN352 - 1:2003/ANSI S3.19.
- Multi-position design allows for comfort and convenient storage.
- Keeps ears warm in cold environments.
- Lightweight at only 240 g.

### Areas of Application:

Manufacturing, textile, lumber yards, cabinet and furniture makers, paper mills, mechanical workshops, panel repair, printing, sheet metal, machinery, transportation.

Description	SLC80 as per AS/ NZS 1270:2002	Art. No.	P. Qt .
Foldable Ear  		<b>0899 300 361</b>	1



W2F/32 ENCAPSULATED  
EAR PROTECTION



SNR value	L value	M value	H value
32 dB	24 dB	30 dB	32 dB



- Excellently visible thanks to reflecting headband and fluorescent capsules
- Increased safety at the workplace, especially for working outdoors and road construction sites, airports, etc. and at all workplaces with poor lighting conditions.
- Folding headband for space-saving storage.
- Excellent insulation properties.
- High wearing comfort thanks to
  - padded headband
  - low press-on pressure
  - broad, comfortable sealing pads.
- Simple, fast replacement of sealing pads.
- Weight 236 g.
- Tested pursuant to EN 352.

**Art. No. 0899 300 353**  
P. Qty. 1

Hygiene Set for W2F/32  
Encapsulated Ear Protection

Consisting of two sealing pads and two foam inserts.

**Art. No. 0899 301 353**  
P. Qty. 1

W3/34 ENCAPSULATED  
EAR PROTECTION



SNR value	L value	M value	H value
34 dB	27 dB	32 dB	33 dB



- Hearing-protection capsules with outstanding insulation properties for optimum protection in very loud areas.
- Individually adjustable with telescopic bar.
- High wearing comfort thanks to
  - padded headband
  - low press-on pressure
  - broad, comfortable sealing pads
  - large earpieces that offer plenty of space for ears.
- Simple, fast replacement of sealing pads.
- Weight 302 g.
- Tested pursuant to EN 352.

**Art. No. 0899 300 354**  
P. Qty. 1

Hygiene Set for W3/34  
Encapsulated Ear Protection

Consisting of two sealing pads and two foam inserts.

**Art. No. 0899 301 354**  
P. Qty. 1

Hearing Protection

ENCAPSULATED EAR PROTECTION



SNR value	L value	M value	H value
28 dB	17 dB	25 dB	32 dB



Pocket

Fold-up hearing protection

- Practical, handy pocket size.
- Greatest wearing comfort.
- Great insulation, even in the low range.
- Allows speech to be heard while worn.
- Wide, comfortable sealing pads.
- Hygienic and easy to clean.
- Sealing pads easy to replace.
- Padded head band.
- Suitable for wear with glasses or safety goggles.
- Weight: 225g.
- Tested pursuant to EN 352.

Art. No. 0899 300 230

P. Qty. 1

Hygiene Set

Comprized of two sealing pads and two ear pads.

Art. No. 0899 300 245

P. Qty. 1

EAR DEFENDERS FOR HELMET MOUNTING



SNR VALUE	L VALUE	M VALUE	H VALUE
24 dB	15 dB	21 dB	28 dB

Suitable for all helmets with a 30-mm insert pocket

Art. No. 0899 300 240

P. Qty. 1

Hygiene Set

Comprized of two sealing pads and two ear pads.

Art. No. 0899 300 245

P. Qty. 1

# Chapter 5

## Protective Headgear



Protective Headgear

### Table of content

Protective Headgear 84 - 87

**SAFETY HELMETS**

**SH-4**

- 4-point interior attachment.
- Straight helmet shell.



**SH-6**

- 6-point interior attachment.
- Downward extended helmet shell serves as neck protection.



**according to EN 397**

- Optimum protection: The special net structure reinforces the shell at all critical points.
- Light weight for pleasing wearing comfort and maximum acceptance.
- Circumferential rain groove for directed water run-off.
- Ventilation holes for “good climate” under the helmet.
- 30-mm insert pockets for hearing protection.
- Long, circumferential sweatband made of especially absorbent fleece material.
- Attachment points for chin strap.
- Quick release closure for optimum adjustment to head size.
- Size: 52 – 62 cm.
- Additional qualification: approved as cold-weather helmet down to –30°C.

Designation	Interior attachments	Color	Art. No.	P. Qty.
SH-4	4 points	yellow	0899 200 75	1
SH-4	4 points	white	0899 200 76	
SH-6	6 points	yellow	0899 200 70	
SH-6	6 points	white	0899 200 71	

**ELECTRICIAN’S SAFETY HELMET**

**SH-6 E**



**according to EN 397**

- Tested and approved as electrician’s safety helmet up to 1,000 V AC.
- Closed helmet shell without ventilation openings.
- Signal color: fluorescent yellow.

Designation	Interior attachments	Color	Art. No.	P. Qty.
Electrician’s Helmet	6 points	fluorescent yellow	0899 200 77	1



## IMPACT CAP



**Art No 0899 200 980**



**Art No 0899 200 981**



**Art No 0899 200 986**

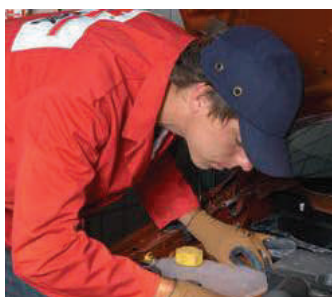
**Sporty head protection with a modern baseball cap design for any applications where there is a danger of impact to the head.**

- Hard plastic inner shell with outer material: 100% cotton.
- Comfortable to wear thanks to foam padding of the shell and integrated ventilation holes.
- Adjustable size with Hook & Loop strap at rear as well as integrated sweatband inside.

### Applications

Mechanical work, electrical and installation work, automotive industry, work under lifting platforms, in shelving and in store rooms, interior finishing and much more.

Wherever your head should be protected from impacts.



### Note

This bump cap is tested to EN1801 and was designed to protect the wearer from light impacts and scratches. It does not protect against the effects of falling, thrown objects or moving, hanging loads.

Under no circumstances may the bump cap be used in place of an industrial safety helmet according to AS/NZS1801.

HARD HAT SH 2000-S PRO



Comfortable hard hat with internal dial adjustment and pre-mounted 4-point chin strap

- Safe fit and maximum safety
- High-quality 4-point chin strap
  - Drop-down neck protection
- Optimum rapid width adjustment with dial system
- Unobstructed upwards view thanks to short helmet shield
- Extremely comfortable to wear
- 6-point fabric lining and individually controlled ventilation openings on the front and back
  - Low weight

Art. No.	0899 200 235
P. Qty.	1
Colour	White
Min./max. size	52 cm-61 cm
Internal equipment	6-point
EN standard	397
Min. temperature conditions	-30 °C
Material	Polyethylene - PE

- Easy to combine with other equipment
- 30 mm pockets enable attachment of hearing protection
  - A clip ensures safe attachment of full-vision goggles and other attachments with elastic bands

Spare parts for	Designation	Art. No.
0899 200 235	Chin strap, 4-point	0899 200 248
	Sweatband	0899 200 249

- Tested according to EN 397 with supplementary requirements
- Suitable for very low temperatures down to -30°C
  - Protects against weld spatter (MM = molten metal)

Related products	Art. No.
Full-vision goggles WEGA®	0899 102 116
Ear defenders for helmet mounting	0899 300 240

Protective Headgear

# Chapter 6

## Safety Shoe



### Table of content

Safety Shoe	88 - 94
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**HERCULES S3 SAFETY SHOE**



**Comfortable S3 shoe with a fashionable cut. It provides the ideal protection for your feet while you work.**

**Features**

- Breathable full leather, technical inserts
- Mesh inner lining
- Steel toe cap, puncture resistant steel midsole
- Slip resistant PU-sole SRC, comfort width 11 (wide fit)

Description	Art.	Size
S3 Hercules low-cut safety shoes  (BLACK)	<b>M 418 106 035</b>	35
	<b>M 418 106 036</b>	36
	<b>M 418 106 037</b>	37
	<b>M 418 106 038</b>	38
	<b>M 418 106 039</b>	39
	<b>M 418 106 040</b>	40
	<b>M 418 106 041</b>	41
	<b>M 418 106 042</b>	42
	<b>M 418 106 043</b>	43
	<b>M 418 106 044</b>	44
	<b>M 418 106 045</b>	45
	<b>M 418 106 046</b>	46

**S3**



Approx. 605 g per shoe in size 42



## HERCULES S3 SAFETY BOOT



**S3**



**Convenient, modern S3 boots that guarantee optimum protection at work. In addition it ensures ideal well being for your feet with every step.**

### Features

- Breathable full leather, technical inserts
- Mesh inner lining
- Steel toe cap, puncture resistant steel midsole
- Slip resistant PU-sole SRC, comfort width 11 (wide fit)
- 

Description	Art. No	Size
S3 Hercules safety boots ( BLACK )	<b>M 422 149 035</b>	35
	<b>M 422 149 036</b>	36
	<b>M 422 149 037</b>	37
	<b>M 422 149 038</b>	38
	<b>M 422 149 039</b>	39
	<b>M 422 149 040</b>	40
	<b>M 422 149 041</b>	41
	<b>M 422 149 042</b>	42
	<b>M 422 149 043</b>	43
	<b>M 422 149 044</b>	44
	<b>M 422 149 045</b>	45
	<b>M 422 149 046</b>	46

Approx. 635 g per shoe in size 42

ECO S3 SAFETY SHOES



Robust and durable all-round shoes made from high-quality leather

Features

- Colour: Black, Red
- Breathable leather
- Textile lining
- Composite toe cap, puncture resistant textile midsole
- Slip resistant PU-sole SRC, comfort width 11 (wide fit)
- Metal free

Description	Art.	Size
Low-cut safety shoes, S3, Eco	M418 082 036	36
	M418 082 037	37
	M418 082 038	38
	M418 082 039	39
	M418 082 040	40
	M418 082 041	41
	M418 082 042	42
	M418 082 043	43
	M418 082 044	44
	M418 082 045	45
	M418 082 046	46
	M418 082 047	47
	M418 082 048	48

Approx. 580 g per shoe in size 42



Occupation Safety - Work Shoe



**ECO S3 SAFETY BOOT**



Classic and high quality leather safety boots that are 100% metal-free

**Features**

- Colour: Black, Red
- Breathable leather
- Textile lining
- Composite toe cap, puncture resistant textile midsole
- Slip resistant PU-sole SRC, comfort width 11 (wide fit)
- Metal free

Description	Art.	Size
Safety boot, S3, Eco	M 422 134 036	36
	M 422 134 037	37
	M 422 134 038	38
	M 422 134 039	39
	M 422 134 040	40
	M 422 134 041	41
	M 422 134 042	42
	M 422 134 043	43
	M 422 134 044	44
	M 422 134 045	45
	M 422 134 046	46
	M 422 134 047	47
	M 422 134 048	48



Approx. 620 g per shoe in size 42

Occupation Safety - Work Shoe

**HEAT S3 SAFETY SHOE**



This high-quality and robust safety shoe is equipped with a heat resistant and comfortable HRO sole.

**Features**

- Breathable full grain leather, textile inserts
- Textile lining
- steel toe cap, puncture resistant textile midsole
- Slip resistant rubber-sole SRC HRO, comfort width 11 (wide fit)

Description	Art.	Size
Low-cut safety shoes, S3, Heat	M 422 135 039	39
	M 422 135 040	40
	M 422 135 041	41
	M 422 135 042	42
	M 422 135 043	43
	M 422 135 044	44
	M 422 135 045	45
	M 422 135 046	46
	M 422 135 047	47
	M 422 135 048	48

Approx. 670 g per shoe in size 42



**HEAT S3 SAFETY BOOT**



This safety boot impresses with its wearing comfort as well as the robust outsole.

**Features**

- Breathable full grain leather, textile inserts
- Textile lining
- steel toe cap, puncture resistant textile midsole
- Slip resistant rubber-sole SRC HRO, comfort width 11 (wide fit)

Description	Art.	Size
Safety boot, S3, Heat	<b>M 418 083 039</b>	39
	<b>M 418 083 040</b>	40
	<b>M 422 134 041</b>	41
	<b>M 422 134 042</b>	42
	<b>M 422 134 043</b>	43
	<b>M 422 134 044</b>	44
	<b>M 422 134 045</b>	45
	<b>M 422 134 046</b>	46
	<b>M 422 134 047</b>	47
	<b>M 422 134 048</b>	48



Approx. 670 g per shoe in size 42

# Chapter 7

## Overalls



### Table of content

Overall	95 – 99
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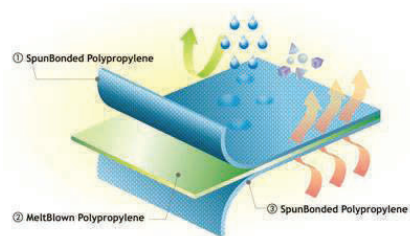
**DISPOSABLE COVERALL**



**Standard Pack size : 25pcs**

**Fabric**

- SMS 48GSM, Stitched seams



**Feature**

- Double layer PPSB improves the fabric strength, tear and puncture resistance.
- Melt blown fabric laminated between the PPSB layers provides excellent particle barrier capabilities. The fabric filters resists 99.8% of particles of size 0.5-1.0 µm.
- Fully elasticated hood/ankles/wrists, which maximize comfort and protection.

Description	Art.	Size
SMS Disposable Coverall	0899 021 511	S
	0899 021 512	M
	0899 021 513	L
	0899 021 514	XL
	0899 021 515	XXL
	0899 021 516	XXXL

**COVERALL TYPE 5 & 6**



**Standard Pack size : 25pcs**

**Art. No. 0899 021 21x**

**Description**

- Protective suit CE-CAT III, type class 5 & 6, white micro-porous non-woven fabric with sewn seams with elasticated hood, ankles and wrists which maximize comfort and protection.
- Waterproof and durable, light weight, full freedom of movement, inexpensive, breathable and comfortable.
- Conforms to EN 1149-1 antistatic standard, prevents static charges, thus minimising safety risk.
- Conform to EN ISO 13982-1:2004+A1:2010 for Type 5 Barrier to airborne particulate materials and dust.
- Conform to EN ISO 13034:2005+A1:2009 for Type 6 Barrier to limited liquid spray. Limited wear life, fullbody protection against liquid chemical, lacquers and paints, lubricants, polyurethane foams, mild acids and bases.
- Conform to EN14126:2003 for Type 5-B & Type 6-B that against biological hazards and infective agents.
- Conform to EN1073-2:2002 for protection against radioactive contamination.
- Absolute tear and wear resistance, thus ideal for full body protection.
- Tear-and wear-resistant, even when wet.
- Not immediately decontaminable.

Art. No.	Fits in height intervals	Chest girth	Size
0899 021 212	168 - 176 cm	92 - 100 cm	M
0899 021 213	174 - 182 cm	100 - 108 cm	L
0899 021 214	182 - 188 cm	108 - 116 cm	XL
0899 021 215	188 - 194 cm	116 - 164 cm	XXL
0899 021 216	194 - 200 cm	122 - 172 cm	3XL

**Applications**

Automotive and car body workshops, painting work and surface treatment, disposal operations, asbestos disposal, building industry, mining, chemical industry, printing industry, woodworking, industrial cleaning, agriculture, medicine, pharmaceutical industry, tank cleaning, clean rooms.



## TYVEK® CLASSIC XPRT SAFETY SUIT



Size	Art. No.	P. Qty.
M	0899 020 122	5
L	0899 020 123	
XL	0899 020 124	
XXL	0899 020 125	

TYVEK® is a registered trademark of E. I. DuPont de Nemours & Company, US.

### Applications:

Automotive and auto body shops, painting work, corrosion protection and surface treatment, disposal companies, asbestos disposal, processing of fiberglass-reinforced plastics, wood and metal processing,

industrial cleaning, tank cleaning, the print industry, the construction industry, the chemical industry, the foodstuff industry, mining, agriculture, medicine, the pharmaceutical industry and clean rooms.

**The ideal combination of protection, durability and comfort. Innovative, ergonomic design for optimum freedom of movement.**

### Material

- High wear- and tear-resistance
- Anti-static on both sides
- Silicone-free
- Active-breathing: Air- and water-vapor-tight

### Design

- The hood perfectly surrounds the wearer's face.
- The hood is ideal for use when wearing a breathing mask.
- The sleeves sit perfectly, even while doing overhead work.

### Excellent protection

- Against liquids
- Against solid, flying particles

### Standards



Category III

EN ISO 13982-1:2004  
/A1:2010



Type 5:  
Protection against  
solid, flying particles

EN 13034:2005  
+A1:2009



Type 6:  
Limited protection  
against liquid mists

EN 1149-5:2008



Protective clothing  
with anti-static  
properties

EN 1073-2:2002



Protection against  
class 2 radioactive  
particles

EN 14126  
:2003



Protection against  
infectious agents  
and biological  
hazards

"SAFETY STAR" DISPOSABLE SAFETY SUIT



Disposable protective overall with spun-bonded polypropylene interior and laminate film-coated exterior

Safety Suit CAT III  
Type class 5 + 6

Antistatic in accordance with EN 1149-1  
Prevents static charging and minimizes safety risks

Very good protection against particles, dusts and liquid spray

Above-average liquid repellent characteristics, even against mineral oil products.

Lint-free thanks to external lamination

Soft textile material

- Greater freedom of movement
- Pleasant and comfortable to wear

Self-stopping zip fastener  
Prevents accidental opening and reduces safety risks

Elastic band on the hood, sleeves and leg openings and in the back

Nominal size	Suitable for		Art. No.	P. Qty.
	Body size in cm	Chest measurement in cm		
L	174-182	100-06	0899 021 103	5
XL	180-188	108-116	0899 021 104	
XXL	186-194	116-124	0899 021 105	

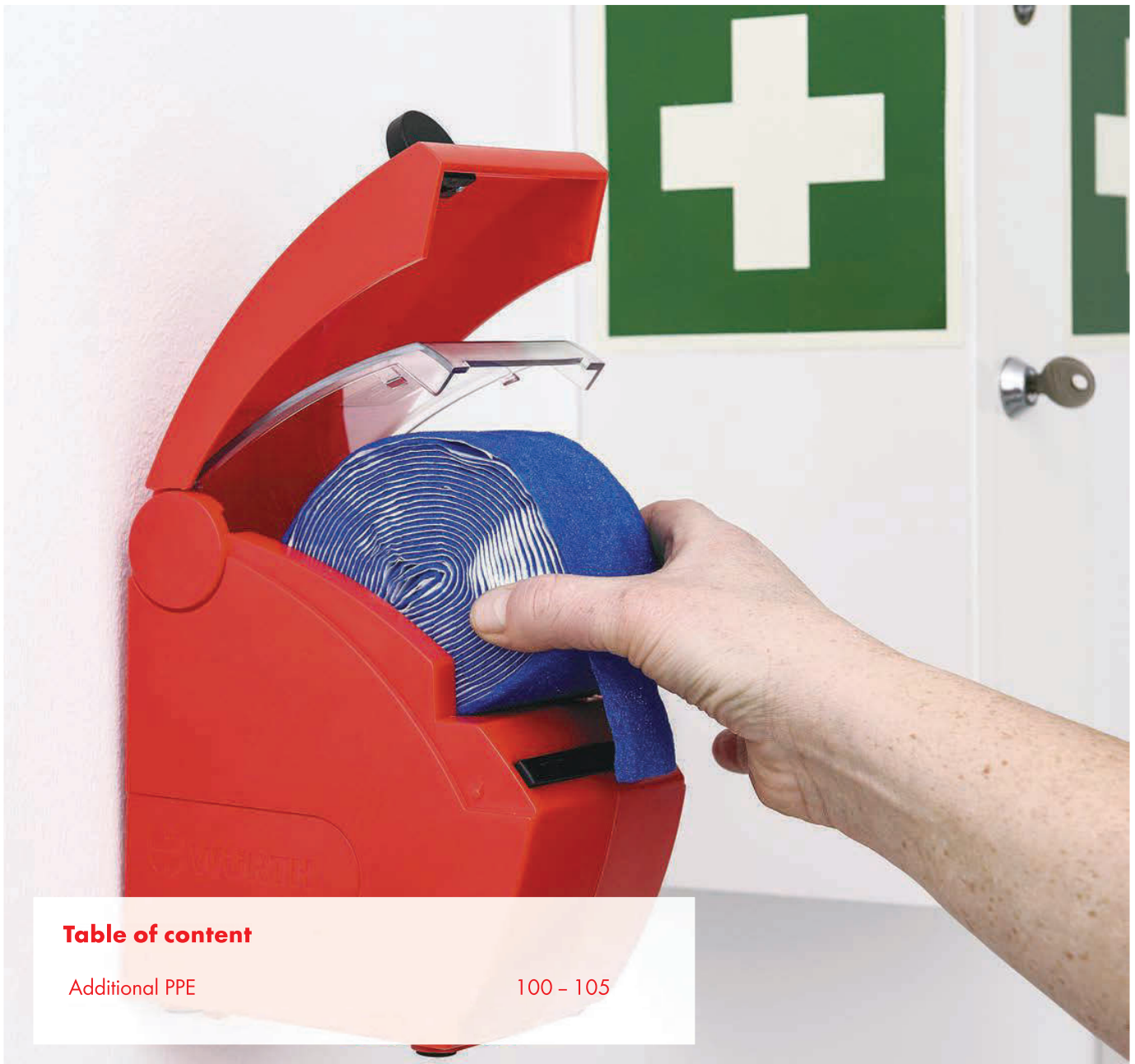
**Areas of use:**  
Automobile and vehicle body workshops, painting and surface treatment, disposal companies, asbestos disposal, construction industry, mining, chemicals industry, printing industry, timber processing, industrial cleaning,

agriculture, medicine, pharmaceuticals industry, tank cleaning, clean rooms.

**Note:**  
Can be used for asbestos disposal

# Additional PPE

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## Table of content

Additional PPE

100 – 105

## ELAST ADHESIVE-FREE BANDAGE DISPENSER



Wrap around finger.

Press on. You're done!

Colour	Length	Width	Thickness	Art. No.	P. Qty.
Beige	4.5 m	6 cm	1.9 mm	<b>0899 512 24</b>	1
Blue				<b>0899 512 25</b>	

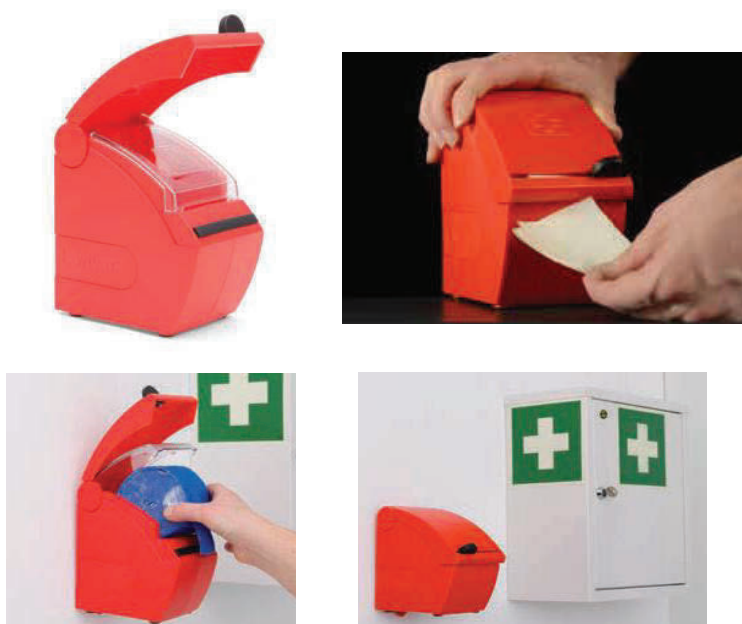
**For covering wounds in case of minor injuries.**

### Features

- Contains no adhesive – does not stick to skin, hair or wounds.
- Self-adhesive (only sticks to itself) and therefore can be used on wet, oily or dirty skin.
- Absorbent – including blood.
- High elasticity ensures good freedom of movement.
- Skin-friendly.
- Therapeutic Goods Administration (TGA) approved medical device.
- Blue version is especially suited to the food industry.
- Does not contain latex.



## ELAST ADHESIVE-FREE BANDAGE DISPENSER



Easy to fill

Simple wall-mounting

**For Elast Adhesive-Free Bandages.**

- Quick access system for wound care.
- Wall mountable.
- Grip pads for stable mounting on flat surfaces.
- Hygienic storage.
- Integrated knife for cutting-off bandage at desired length.

### Includes:

- Bandage dispenser unit
- Wall mounting brace, screws and wall plugs

**Please Note:** Bandages sold separately

• **Art. No. 0899 512 23**

**P. Qty. 1**



**OVERSHOE**



**Hygienic and dirt-protection shoe.**

**Material:** Polyethylene

**Material thickness:** 20 µ

**One size:** Length 40 cm

**Applications**

Clean rooms, chemicals industry, pharmaceuticals, cosmetics manufacturing, foodstuffs industry.

Size	Color	Art. No.	P.Qty.
Universal	Blue	0899 028 1	100

**WARNING VEST**



Color	Art. No.	P. Qty.
Orange	0899 078	1
Yellow	0899 078 002	

**According to EN ISO 20471:2013**

**With Velcro fastener**

**100% polyester**

**Two 5 cm-wide all-round reflective strips**

**Size: XL**

**Individually packed in plastic bags**

**To be kept in all cars, trucks, tractor and semi-trailers, as well as buses**

**Working in**

- Road and rail transport
- Hazardous areas
- Construction industry
- Road works
- Surveying work

## KNEE PROTECTORS

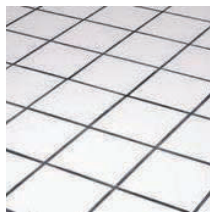
certified in accordance with DIN EN 14404

**Whether on hard, rough, smooth, or sensitive foundations, we have the right knee protection for every application!**

- High wearing comfort.
- Low weight (approx. 250g/pair), lightweight and safe.

- Fastening tapes made of NEOPREN with universally adjustable, high-quality Velcro strips prevent one-sided pressure stress and the cutting-off of circulation in the hollow of your knees.
- Maximum damping and low material thickness due to 12 mm-thick sandwich design.
- The protector adapts to the form of the knee within a short period of time.

- 3 mm-thick, waterproof NEOPREN stores heat and protects joints and muscles from the cold.
- A sturdy LYCRA® coating prevents strong sweating and dries fast. The protectors can be worn directly on the skin.
- All seams are sewn with elastic thread and are thus extremely stressable, but still flexible.
- The knee protectors are machine-washable at 30° (not suited for the dryer).



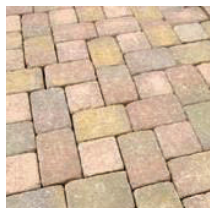
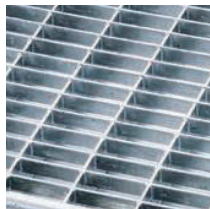
### "PROFI"

**Art. No. 0899 030 10**

P. Qty./pair 1

- For universal use for all kneeling activities.
- Abrasion-resistant PU surface, strongly anti-slipping.

Ideal for: Tile-layers, electrical installers, roofers, scaffolding builders, construction workers, metal-workers, installers, mechanics, gardeners, and many others.



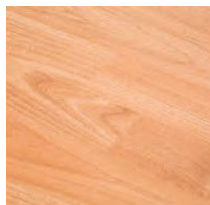
### "KEVLAR"

**Art. No. 0899 030 20**

P. Qty./pair 1

- For work on very hard and rough foundations.
- Extremely abrasion-resistant surface made of 600 g/m<sup>2</sup> KEVLAR®, conditionally slipping.

Ideal for: Pavers and tile-layers, horticulturists and landscapers, roofers (on flat roofs), ventilation installers, metal-workers, machine and vehicle builders, installers, mechanics, and many more.



### "KEVLAR® Soft"

**Art. No. 0899 030 30**

P. Qty./pair 1

- For work on smooth and sensitive foundations.
- High-slipping surface made of 300 g/m<sup>2</sup> KEVLAR®.

Ideal for: Hard-wood and laminate floor layers, carpet and flooring layers, joiners, carpenters, interior designers, decorators, baggage and goods loaders at airports, and many others.

MWTF-04/10-10001-0

KEVLAR is a trademark of E.I. DuPont de Nemours in Wilmington, Delaware.  
LYCRA is a trademark of Invista in Wilmington, Delaware.

## STARLINE® DTROUSERS



Color	Art. No.	Size
gray/orange	M 003 117 ...	25, 26, 27, 44, 46, 48, 50, 52, 54, 56, 58, 60, 94, 98, 102, 106, 110
red/black	M 003 101 ...	
dark olive/olive	M 003 100 ...	
black/gray	M 003 115 ...	
marine/royal blue	M 003 116 ...	

**Hard-wearing mixed fabric, easy-care, quick drying and colorfast.**

**Elastic waistband**

**Reflective piping in the rear trouser area for improved visibility**

**Everything to hand thanks to:**

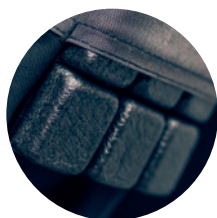
- Two slip pockets on the front, with additional tuck-away holster pockets
- Double, flexible rule pocket
- Hammer loop made of hard-wearing Cordura
- Closeable leg pocket with attached mobile phone pocket
- Two closeable back pockets

**Knee reinforcement also for holding knee cushions**

Certified in accordance with EN14404:2010-05 Type 2, performance class 1, in conjunction with protective knee cushions M 032 004 999.

**Material:**

- 65 % polyester, 35 % cotton, approx. 250 g/m<sup>2</sup>
- 60 °C wash



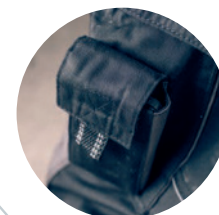
### CORDURA®-KNEE POCKETS:

The CORDURA® pocket for knee cushions relieves you during kneeling work.



### ELASTIC WAIST:

The practical elastic waistband provides more support and comfort at work.



### LOCKABLE MOBILE PHONE POCKET

The attached lockable pocket keeps your mobile phone safe and yet it is always at your fingertips.



**BASIC LINE TROUSERS**



**Material: 100% sanforized cotton, approx. 240 gr/m²**  
Washed at 60°



Color	Art. No.	Size
Gray	M 003 170 ...	25, 26, 27, 44, 46, 48, 50, 52,
marine	M 003 168 ...	54, 56, 58, 60, 94, 98, 102, 106,
royal	M 003 169 ...	110

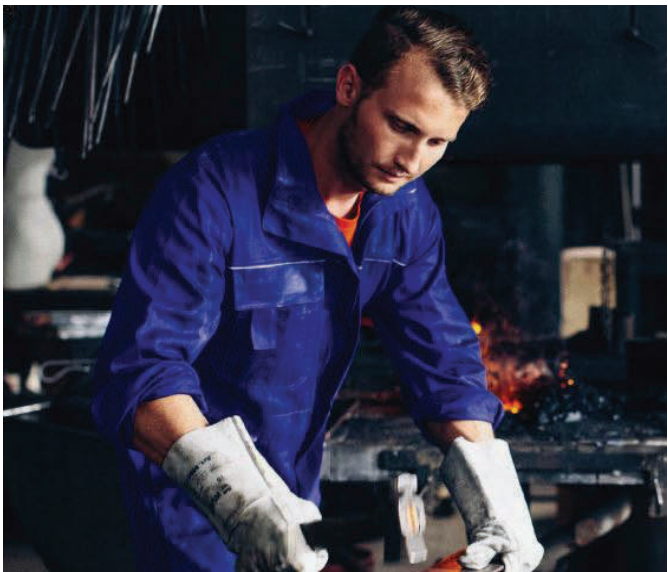
**Light and functional**

Thigh pocket, two large side pockets, back pocket and double folding-ruler pocket

Practical cell phone pocket on the waistband (back)

Very comfortable to wear thanks to elastic sections in the sides of the waistband

Reflective strips on front and back





# PERSONAL PROTECTIVE EQUIPMENT

**Würth Industrial Services Malaysia Sdn. Bhd.**

Lot 806, Jalan Subang 5  
Taman Perindustrian Subang  
47600 Subang Jaya, Selangor  
Phone +60 3 8021 0200  
[info@wuerth-industry.my](mailto:info@wuerth-industry.my)  
[www.wuerth.my](http://www.wuerth.my)

