

# PERSONAL PROTECTION EQUIPMENT FROM ESAB PRODUCT CATALOGUE

SAVAGE

2022 EDITION



As fabricators and fabricators' friends, we do some pretty epic work. And none of it would be possible without each and every one of us – the welders,

# SKYSCRAPERS. MUSCLE CARS. WIND TURBINES. OIL RIGS.

the distributors, the engineers, the tools of

the trade.

Across the welding and fabrication world, the skills we have and the everyday work we do varies greatly, but our commitment to that work and to how fabrication moves the world forward is a constant that keeps us all reaching for more.

Together, we shape the future of welding and cutting.











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WELDING AUTOMATION

- FILLER METALS MANUAL PLASMA
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  - PPE

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# MISSION READY. FOR THE ACCOMPLISHED.

The best welders deserve the best equipment. And when it comes to choosing a helmet, Sentinel is it – with ergonomic HALO<sup>®</sup> headgear, external grind mode access, a hypervisible control panel, and an ultra-clear true-color lens. To learn more about the incredible Sentinel helmet and find a distributor near you, go to **esab. com/sentinel.** 





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#### Sentinel<sup>™</sup> A50

Revolutionary high performance automatic welding helmet



🕀 esab.com/sentine

- Revolutionary shell design high impact resistance nylon
- Halo<sup>TM</sup> headgear rgonomic, infinitely-adjustable 5 point head gear provides extreme comfort and balance. Low-profile design, central pivot point allows for maximum head clearance while helmet is in the up positionLow-profile design, central pivot point allows for maximum head clearance while helmet is in the up position
- 100 x 60 mm viewing area 1/1/1/2 –5-13 ADF
- Color touch screen control panel with 8 separate memory settings and externally activated shade 4 Grind Mode button
- Hard hat adapter option available for use with ESAB hard hat
- Respiratory option with ESAB PAPR

| Specifications  |  |   |                               |           |                      |       |
|---|--|---|-------------------------------|-----------|----------------------|-------|
| Cartridge Dimensions  |  | Viewing Area                              | Lens Shade                    | Sensors   | Classific            | ation |
| 133 x 114 x 9 mm  |  | 100 x 60 mm                               | DIN 5-8/9-13                  | 4         | 1/1/1/2              |       |
| Switch Time Power Supply  |  | Standards                                 |                               |           | Weight               |       |
| 1/25,000 s from light to darkSolar cell plus battery replaceable.<br>(2 x CR2450 lithium). Alerts when low battery. |  | DIN Plus, CE, EN 175, EN 37<br>NZS 1338.1 | '9, EN 166, ANSI Z87.1, CSA Z | 94.3, AS/ | 640 g<br>830 g (Air) |       |

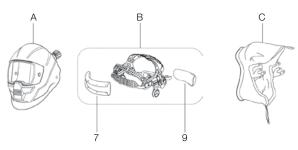
| Ordering Information           |            |
|--------------------------------|------------|
| Sentinel A50                   | 070000800  |
| Sentinel A50 for Air           | 070000801  |
| Sentinel A50 for Air Klt       | 0700000799 |
| PAPR with Standard Hose 850 mm | 0700002300 |
| PAPR wth Long Hose 1000 mm     | 0700002301 |

| Opti | Options & Accessories                 |            |  |  |
|------|---------------------------------------|------------|--|--|
| 1    | Front Cover Lens Clear HD             | 070000823  |  |  |
| 1    | Front Cover Lens Amber HD             | 070000824  |  |  |
| 1    | Front Cover Lens Clear                | 070000802  |  |  |
| 1    | Front Cover Lens Amber                | 070000803  |  |  |
| 2    | Sentinel Helmet Shell                 | 070000804  |  |  |
| 3    | Auto-Darkening Filter (excl. battery) | 070000806  |  |  |
| 5    | Inside Cover Lens                     | 070000808  |  |  |
| 6    | Headgear Assembly (incl. sweat bands) | 070000809  |  |  |
| 7    | Front Sweat Band                      | 070000810  |  |  |
| 8    | Headgear                              | 070000811  |  |  |
| 9    | Rear Sweat Band                       | 070000812  |  |  |
| 10   | Magnifying Lens +1.0 Diopter          | 0367951001 |  |  |
| 10   | Magnifying Lens +1.5 Diopter          | 0367951002 |  |  |
| 10   | Magnifying Lens +2.0 Diopter          | 0367951003 |  |  |
| 10   | Magnifying Lens +2.5 Diopter          | 0367951004 |  |  |
| х    | Sentinel Bandana                      | 070000821  |  |  |
| Х    | Sentinel Protective Hood              | 070000828  |  |  |

Air versions include air duct and face seal. Kit version also include Kit bag, PAPR 850 mm, internal/external lenses and filters. For additional information on the PAPR unit please see separate page.

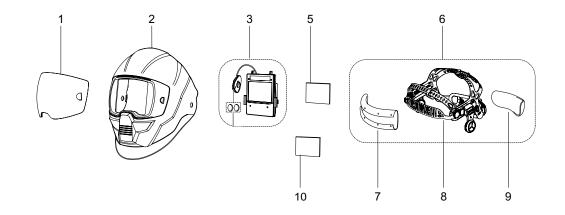


| Options & Accessories (Sentinel A50 Air Only) |  |            |  |
|---|--|------------|--|
| А   | Sentinel A50 Air shell w. air duct         | 070000813  |  |
| В   | Headgear Assembly, Air (incl. sweat bands) | 070000805  |  |
| С   | Face Seal, Air                             | 070000814  |  |
| х   | Kit Bag (empty)                            | 0700002315 |  |



WELDING HELMETS

### Sentinel<sup>™</sup> A50



#### **Additional Accessories**



HD Front Cover Lenses



```
Magnifying Diopter Lens
```



Protective Hood



Kit Bag (empty)

#### Savage A40

WELDING HELMETS Professional automatic welding helmet



esab.com/savage

- External shade adjustment between DIN 9 and DIN 13 and an optical class of 1/1/1/2. Delay and sensitivity can be adjusted from the inside
- Four arc sensors for higher auto darkening response
- Wider coverage and a larger viewing area of 100 x 50 mm that offers a wide field of vision and increased spatial awareness
- Sensitivity control is an adaptable feature useful when welding low amp TIG for better reaction to darker arc light
- Delay control enabling the welder to set how long the lens stays dark after the welding arc stops. Short delay helps get the job done faster during tack welding, whilst longer delay is useful for high amperage welding
- Externally activated Grind button. Shade 4 Grind Mode
- True Color allowing for a brighter view and enhanced colour definition
- Respiratory option with ESAB PAPR

| Specifications  |  |   |             |                      |         |       |
|---|--|---|-------------|----------------------|---------|-------|
| Cartridge Dimensions  |  | Viewing Area  | Lens Shade  | Sensors Classifica   |         | ation |
| 110 x 90 x 7.8 mm   |  | 100 x 50 mm   | DIN 4, 9-13 | 4                    | 1/1/1/2 |       |
| Switch Time Power Supply  |  | Standards   |             |                      | Weight  |       |
| 0.1-0.9 s from dark to light<br>0.07 ms at 23°CSolar cell plus battery replaceable.<br>(1 x CR2450 lithium). Alerts when low battery. |  | CE EN379, EN175, EN12941, ANSI Z87.1 , CSA Z94.3, & AS/NZS 1338.1 |             | 500 g<br>700 g (Air) |         |       |

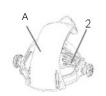
| Ordering Information           |            |
|--------------------------------|------------|
| Savage A40, Black              | 0700000490 |
| Savage A40, Yellow             | 0700000491 |
| Savage A40 for Air, Black      | 0700500400 |
| PAPR with Standard Hose 850 mm | 0700002300 |
| PAPR wth Long Hose 1000 mm     | 0700002301 |

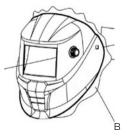
Air versions include air duct and face seal. For additional information on the PAPR unit please see separate page.



| Opti | Options & Accessories        |            |  |  |
|------|------------------------------|------------|--|--|
| 1    | Head Gear                    | 0700000483 |  |  |
| 2    | Sweat Band                   | 0700000414 |  |  |
| 3    | Front Cover Lens             | 070000010  |  |  |
| 4    | Inside Cover Lens            | 0700000482 |  |  |
| 5    | ADF Cradle                   | 0700000418 |  |  |
| 6    | Lens Retainer with Screw     | 0700000419 |  |  |
|      | Magnifying Lens +1.0 Diopter | 070000084  |  |  |
|      | Magnifying Lens +1.5 Diopter | 070000085  |  |  |
|      | Magnifying Lens +2.0 Diopter | 070000086  |  |  |
|      | Magnifying Lens +2.5 Diopter | 070000087  |  |  |
|      | Leather Chest Protection     | 070000062  |  |  |
|      | Leather Head/Neck Protection | 070000063  |  |  |
|      | Proban Hood                  | 0000593269 |  |  |

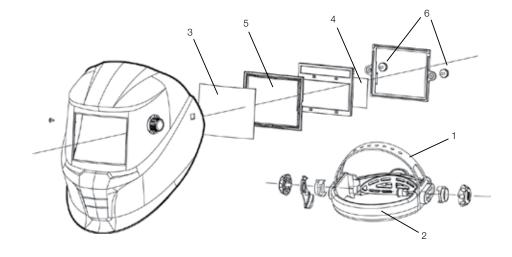
| Options & Accessories (Savage A40 Air Only) |                        |            |  |
|---|------------------------|------------|--|
| А   | Headgear Assembly, Air | 070000805  |  |
| В   | Face Seal, Air         | 070000814  |  |
| х   | Kit Bag (empty)        | 0700002315 |  |

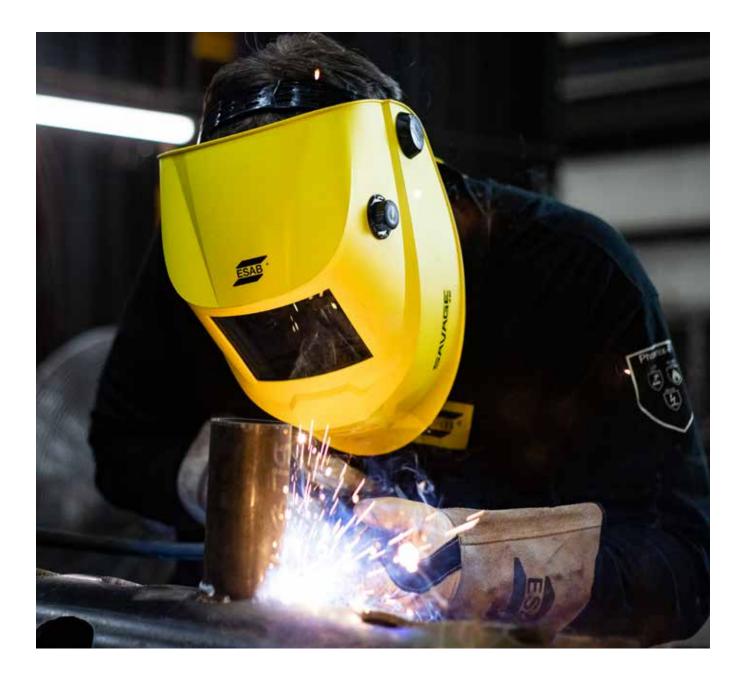




WELDING HELMETS

Savage A40





#### A30/A20/A10

Lightweight automatic welding helmets







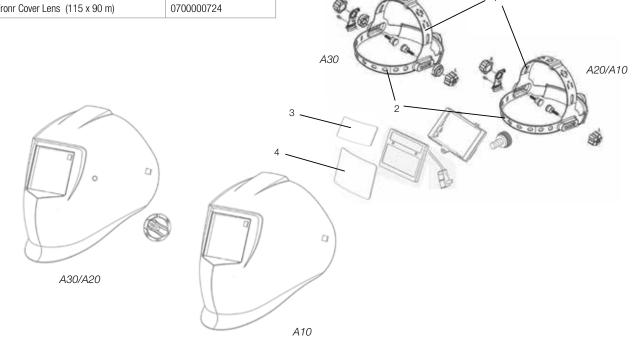
- Streamlined lightweight shell with lightweight comfort headgear
- Wide viewing area
- Sensitivity & delay setting
- 2 years warranty

- Dioptre lens options
- Grind mode (A30)

| Specifications       |   |  |         |   |                |
|----------------------|---|--|---------|---|----------------|
| Cartridge Dimensions | Viewing Area  | Lens Shade   | Sensors | Weight                                    | Classification |
| 110 x 90 mm          | 100 x 45 mm (A30)<br>96 x 39 mm (A20)<br>90 x 35 mm (A10) | DIN 4, 9-13 (A30)<br>DIN 4, 9-13 (A20)<br>DIN 11 (A10) | 2       | 480 g (A30)<br>470 g (A20)<br>382 g (A10) | 1/1/1/2        |

| Options & Accessories |                                |            |
|-----------------------|--------------------------------|------------|
| 1                     | Headgear A30                   | 0700000731 |
| 1                     | Headgear A20/A10               | 0700000721 |
| 2                     | Sweat Band                     | 0700000722 |
| 3                     | Inside Cover Lens A10          | 0700000711 |
| 3                     | Inside Cover Lens (97 x 44 mm) | 0700000723 |
| 4                     | Fronr Cover Lens (115 x 90 m)  | 0700000724 |

| Ordering Information |            |  |
|----------------------|------------|--|
| A30                  | 0700000730 |  |
| A20                  | 0700000720 |  |
| A10                  | 0700000710 |  |



#### G50/G30

Flip-front welding and griding helmets



- Lightweight shell
- Automatic / fix shade options
- Large inner grinding visor (clear)
- Comfort headgear
- Respiratory option with ESAB PAPR



#### G30

- Changeable inner and outer lens
- Large inner grinding visor (multiple options)

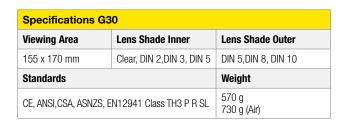






| Specifications G50                               |                        |                      |  |
|--|------------------------|----------------------|--|
| Viewing Area                                     | Lens Shade             | Classification       |  |
| 98 x 47 mm                                       | 9-13                   | 1/1/1/2              |  |
| Standards  | Power Supply           | Weight               |  |
| CE, ANSI,CSA, ASNZS,<br>EN12941 Class TH3 P R SL | Solar cell, no battery | 730 g<br>890 g (Air) |  |

| Ordering Information |            |  |
|----------------------|------------|--|
| G50, 9-13            | 0700000438 |  |
| G30, DIN 10          | 0700000430 |  |
| G30, DIN 11          | 0700000431 |  |



| Ordering Information (Air versions) |            |  |
|-------------------------------------|------------|--|
| G50 Air, 9-13                       | 0700000441 |  |
| G30 Air, DIN 10                     | 0700000433 |  |
| G30 Air, DIN 11                     | 0700000434 |  |
| PAPR with Standard Hose 850 mm      | 0700002300 |  |
| PAPR wth Long Hose 1000 mm          | 0700002301 |  |

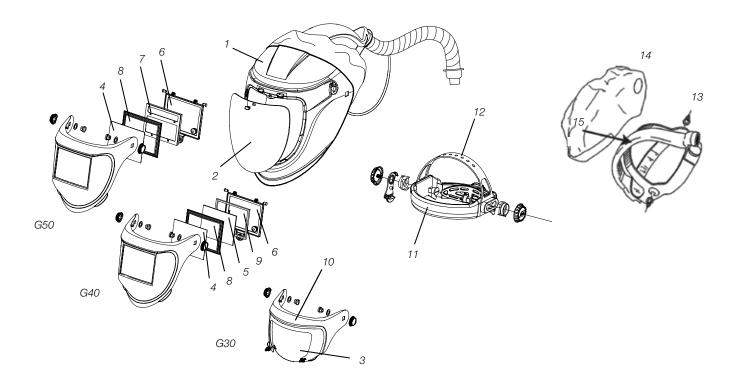
Air versions include air duct and face seal. For additional information on the PAPR unit please see separate page.

#### G50/G40/G30 Spares

| Optic | ns & Accessories                                       |            |
|-------|--|------------|
| 1     | Main Shell for G50/G40/G30                             | 0700000515 |
| 2     | Large Inner Visor Clear for G50/G40/G30                | 0700000501 |
| 2     | Large Inner Visor DIN 2 for G30                        | 070000502  |
| 2     | Large Inner Visor DIN 3 for G30                        | 070000503  |
| 2     | Large Inner Visor DIN 5 for G30                        | 070000504  |
| 3     | Outer Flip Visor DIN 5 for G30                         | 070000505  |
| 3     | Outer Flip visor DIN 8 for G30                         | 070000506  |
| 3     | Outer Flip visor DIN 10 for G30                        | 070000507  |
| 4     | Front Cover Lens for G50/G40                           | 0700000517 |
| 5     | Filter Lens 60 x 110 Shade 10 Pk 25 (for G40)          | 0160292002 |
| 5     | Filter Lens 90 x 110 Shade 10 Pk 25 (for G40)          | 0760031632 |
| 6     | Lens Retainer for G50/G40                              | 0700000518 |
| 7     | ADF Casette for G50                                    | 070000523  |
| 8     | Cradle 90 x 110 for G50/G40                            | 0700000519 |
| 8     | Cradle 60 x 110 for G40                                | 070000520  |
| 9     | Gasket for Mineral Glass 60 x 110 & 90 x 110 (for G40) | 0700000521 |
| 10    | Flip Up Frame Including Screws for G30                 | 070000508  |
| 11    | Sweat Band   | 0700000414 |
| 12    | Headgear   | 0700000415 |
| х     | Kit Bag (empty)  | 0367951003 |

| Options & Accessories (Air versions only) |  |            |
|---|--|------------|
| 13  | Headgear for G50/G40/G30 and F20           | 0700000420 |
| 14  | Head and Face Seal for G50/G40/G30 and F20 | 070000512  |
| 15  | Sweat Band Air for G50/G40/G30 and F20     | 070000274  |

Air versions include air duct and face seal. For additional information on the PAPR unit please see separate page.





#### **F20/F10** Flip-front welding helmets



- Multiple flip front options
- Lightweight shell with comfort headgear
- Changeable DIN lenses
- Inside viewing visor
- Respiratory option with ESAB PAPR (F20)

| Specifications F20                               |  |  |
|--|--|--|
| Viewing Area                                     | Lens Shade   |  |
| 60 x 110 mm / 90 x 110 mm                        | DIN 10   |  |
| Standards  | Weight   |  |
| CE, ANSI, CSA, ASNZS,<br>EN12941 Class TH2 P R S | 560 g (60 x 110)<br>580 g (90 x 110)<br>720 g (60 x 110 Air)<br>740 g (90 x 110 Air) |  |

| Specifications F10                      |            |  |
|---|------------|--|
| Viewing Area                            | Lens Shade |  |
| 60 x 110 mm / 90 x 110 mm / 51 x 108 mm | DIN 10     |  |
| Standards                               | Weight     |  |
| CE, ANSI,CSA, ASNZS                     | 484 g      |  |

| Ordering Information                        |            |  |
|---|------------|--|
| F20, 60 x 110                               | 0700000426 |  |
| F20, 90 x 110                               | 0700000427 |  |
| F20 Air, 60 x 110                           | 0700000428 |  |
| F20 Air, 90 x 110                           | 0700000429 |  |
| F10 (Ec oArc II), 60 x 110, kit of 20       | 070000760  |  |
| F10 (Eco Arc II) 60 x 110, 1 pcs 0700000761 |            |  |
| F10 (Eco Arc II), 90 x 110, kit of 20       | 0700000762 |  |
| F10 (Eco Arc II) 51 x 108, kit of 20        | 070000763  |  |
| PAPR with Standard Hose 850 mm 0700002300   |            |  |
| PAPR wth Long Hose 1000 mm                  | 0700002301 |  |

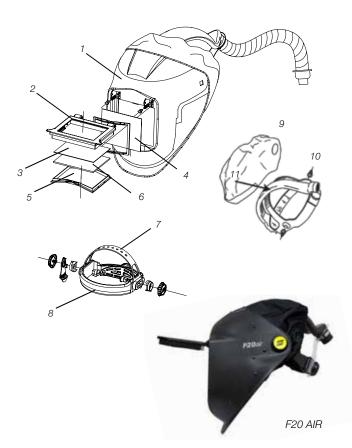
Air versions include air duct and face seal. For additional information on the PAPR unit please see separate page.

Kit helmets are delivered unassembled in boxes with 20 x helmet shells,head harnesses, flip-ups, welding lens DIN 10, protective glass in plastic and instruction manuals for each item.

Individually packed helmets are delivered complete in plastic bags with cases.

| Opt | Options & Accessories                        |            |  |
|-----|--|------------|--|
| 1   | Main Shell for F20                           | 070000509  |  |
| 2   | Visor Flip 60 x 110 for F20                  | 070000510  |  |
| 2   | Visor Flip 90 x 110 for F20                  | 0700000511 |  |
| 3   | Plastic Cover Lens 60 x 110                  | 0160307001 |  |
| 3   | Plastic Cover Lens 90 x 110                  | 0160307004 |  |
| 3   | Plastic Cover Lens 51 x 108 (for F10 only)   | 0160307002 |  |
| 4   | Inside/Outside Cover Lens 60 x 110, 90 x 110 | 070000252  |  |
| 5   | Lens Retaining Clip 60 x 110                 | 070000255  |  |
| 5   | Lens Retaining Clip 90 x 110                 | 070000256  |  |
| 5   | Lens Retaining Clip 51 x 108 (for F10 only)  | 070000257  |  |
| 6   | Filter Lens 60 x 110 Shade 10 Pk 25          | 0160292002 |  |
| 6   | Filter Lens 90 x 110 Shade 10 Pk 25          | 0760031632 |  |
| 7   | Headgear                                     | 0700000415 |  |
| 8   | Sweat Band F20                               | 0700000414 |  |
| 8   | Sweat Band F10                               | 070000244  |  |
| х   | Leather Chest Protection                     | 0367951001 |  |
| х   | Leather Head/Neck Protection                 | 0367951002 |  |
| х   | Kit Bag (empty)                              | 0367951003 |  |

| Options & Accessories (Air versios only) |  |            |
|--|--|------------|
| 9  | Headgear for G50/G40/G30 and F20           | 0700000420 |
| 10                                       | Head and Face Seal for G50/G40/G30 and F20 | 0700000512 |
| 11                                       | Sweat Band Air for G50/G40/G30 and F20     | 070000274  |



#### **ESAB PAPR**

Powered Air Purifying Respirator



- User adjustable air flow 170/220 l/min
- Li-Ion battery pack (up to 6h duration @ 220 l/min)
- P3 filter and pre-filter
- International intelligent charger (interchangeable pins)
- Audio/visual blocked filter and low battery alarm

| Specifications   |                    |                          |  |
|------------------|--------------------|--------------------------|--|
| Air Flow         | Battery Time       | Filter                   |  |
| 170 - 220 l/min  | Up to 6 h          | P3 filter and pre-filter |  |
| Standards        | Dimensions         | Weight                   |  |
| CE EN12941       | 185 x 100 x 160 mm | 1 kg                     |  |
| Protection Level |                    |                          |  |

#### Protection Level

Tested in combination with the following ESAB helmets, EN12941: Sentinel A50 (TH2), Savage A40 (TH2), Warrior Tech (TH3), G50 (TH3), G40 (TH3), G30 (TH3) and F20 (TH2).

| Ordering Information |  |  |  |  |
|----------------------|--|--|--|--|
|                      |  |  |  |  |

| PAPR with Standard Hose 850 mm | 0700002300 |
|--------------------------------|------------|
| PAPR wth Long Hose 1000 mm     | 0700002301 |

PAPR unit delivered with motor unit, battery, intelligent charger, P3 filter + pre filter, waist belt, hose and proban hose cover.

| Options & Accessories |                              |            |
|-----------------------|------------------------------|------------|
| 1                     | Proban Hose Cover 1000 mm    | 0700002303 |
| 1                     | Proban Hose Cover 850 mm     | 0700002304 |
| 2                     | Air Hose Standard 850 mm     | 0700002305 |
| 2                     | Air Hose Long 1000 mm        | 0700002306 |
| 3                     | Comfort Pad Incl. Waist Belt | 0700002307 |
| 4                     | Motor Unit                   | 0700002308 |
| 5                     | P3 filter                    | 0700002309 |
| 6                     | Pre-filter Pk 5              | 0700002310 |
| 7                     | Intelligent Charger          | 0700002311 |
| 8                     | Battery                      | 0700002312 |
| 8                     | Battery HD                   | 0700002313 |
| 9                     | Kit Bag (empty)              | 0700002315 |
| 10                    | Shoulder Harness             | 0700002316 |



Battery life indicator



Waist Belt with Comfort Pad



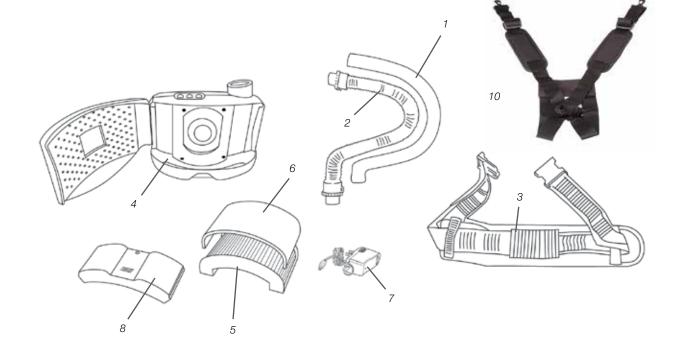




Kit Bag (Empty)

WELDING HELMETS

#### ESAB PAPR



#### **Choice of Filters**

#### Prefilter

The air first passes through the fresh air unit prefilter, which filters larger particles, which extends the life of the main filter and reduces the running cost of the fan.

Prefilter with integrated carbon filter also reduces unwanted odours.



| Ordering Information |            |  |
|----------------------|------------|--|
| Prefilter, pack of 5 | 0700002023 |  |
| Standard on delivery |            |  |



| Ordering Information                     |            |
|--|------------|
| Prefilter with carbon filter, pack of 10 | 0700002040 |

#### Main filter (Particle filter)

ESAB's fresh air fans are always supplied with a main filter of the P3 type, which gives the highest filtration efficiency – 99.8%. The main filter filters out damaging particles in the smoke, both solids and vapour borne. This means that particles containing aluminium, barium, cobalt, chrome, copper, manganese and nickel are caught by the main filter. Particle filter P2 with integrated carbon filter reduces unwanted odours. After passing through the prefilter the remaining dangerous filters are filtered by the main filter. It is recommended that welders who want to minimise unwanted odours use: Prefilter with integrated carbon filter + Particle filter P2 with integrated carbon filter. The main filter consists of a very sensitive filter element that will be damaged if cleaned using compressed air.

ESAB recommends that welders who want to reduce unwanted odours but still want maximum protection from dangerous particles use: Prefilter with integrated carbon filter + Particle filter P3.

| Ordering Information                             |            |  |
|--|------------|--|
| Particle filter P3, pack of 1                    | 0700002024 |  |
| Particle filter P2 with carbon filter, pack of 1 | 0700002041 |  |

#### **EPR-X1 PAPR**

Powered Air Purifying Respirator



- User adjustable air flow 170/190/220 l/min
- Li-lon battery pack (up to 10h duration @ 170 l/min)
- P3 filter and pre-filter
- International intelligent charger (interchangeable pins)
- Audio/visual blocked filter and low battery alarm

| Specifications   |                   |  |  |
|--|-------------------|--|--|
| Air Flow (Selectable)  | Battery Time      | Filter   |  |
| 170/190/220 l/min  | Up to 10 h        | P3 filter and pre-filter<br>with replaceable spark<br>arrestor |  |
| Standards  | Dimensions        | Weight   |  |
| CE EN12941 TH3 P   | 210 x 169 x 78 mm | 1 kg   |  |
| Compatibility  |                   |  |  |
| Compatible with all ESAB prepared for air helmets: Sentinel A50; Savage A40; G30/40/50; F20. |                   |  |  |

| Ordering Information                    |            |
|---|------------|
| EPR-X1 PAPR System with expandable hose | 0700500900 |

PAPR unit delivered with motor unit, waist belt, shoulder harness, battery, intelligent charger, P3 filter & pre filter, spark arrestor, air flow tester, hose & proban hose cover and instruction manual.



Battery life indicator



Flexible waist belt



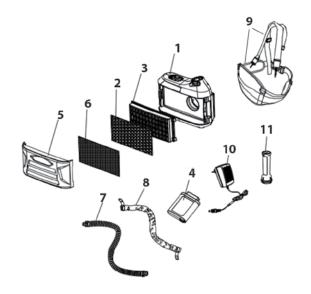
EPR-X1 in combination with Savage A40 Air

EPR-X1 System

WELDING HELMETS

#### **EPR-X1 PAPR**

| Options & Accessories |  |            |
|-----------------------|--|------------|
| 1                     | EPR-X1 PAPR Blower Unit                | 0700500901 |
| 2                     | EPR-X1 PAPR Prefilter                  | 0700500902 |
| 3                     | EPR-X1 PAPR P3 Filter                  | 0700500903 |
| 4                     | EPR-X1 PAPR Battery                    | 0700500904 |
| 5                     | EPR-X1 PAPR Filter Cover               | 0700500905 |
| 6                     | EPR-X1 PAPR Spark Arrestor             | 0700500906 |
| 7                     | ESAB Breathing Tube for EPR-X1pen PAPR | 0700500907 |
| 8                     | FR Fabric Tube Cover                   | 0700500908 |
| 9                     | Waist Belt and Shoulder Harness        | 0700500909 |
| 10                    | Universal Battery Charger              | 0700500910 |
| 11                    | Air Flow Tester                        | 0700002413 |



#### Prefilter and spark arrestor

The air first passes through the fresh air unit prefilter, which filters larger particles, which extends the life of the main filter and reduces the running cost of the fan.

Spark arrestor prevents any sparks from entering the filters and damaging the unit. It is recommended to clean the spark arrestor regularly.



| Ordering Information  |            |  |
|-----------------------|------------|--|
| Prefilter, pack of 1  | 0700500902 |  |
| Standard on delivery. |            |  |



| Ordering Information      |            |
|---------------------------|------------|
| Spark Arrestor, pack of 1 | 0700500906 |

Standard on delivery.

#### Main filter (HEPA particle filter)

ESAB's fresh air fans are always supplied with a main filter of the P3 type, which gives the highest HEPA filtration efficiency – 99.8%. The main filter filters out damaging particles in the smoke, both solids and vapour borne. This means that particles containing aluminium, barium, cobalt, chrome, copper, manganese and nickel are caught by the main filter.

| 1   | TT | TT | T  |    | T |    |
|-----|----|----|----|----|---|----|
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| - 6 | II |    | 11 | 11 |   |    |
| - E | H  | 11 | 14 | 11 |   |    |
| ٩.  | П  | П  | 11 |    |   |    |

| Ordering Information |            |
|----------------------|------------|
| P3 filter, pack of 1 | 0700500903 |

#### **Welding Gloves**

Glove EN Standards & Materials

#### CE labelling – Risk Class – Categorising Personal Protective Equipment (PPE)

#### EU Directive 89/686/EF

The intention of this directive is to ensure that all PPE sold in Europe corresponds to the relevant EN standards. This will secure a generally identical quality standard throughout Europe. Products that meet the requirements in one or more standards must be branded with the CE logo.

#### **Category 1, Simple Design**

These products protect against minimal risks and can only be used where any risk increases gradually and can be easily identified by the user in advance. The CE labelling consists of only the CE mark.

#### **Category 2, Intermediate Design**

The products are tested and technically approved by an authorised test institute. The institute also examines the manufacturers technical documentation to establish that the product is produced in accordance with the relevant EN standard. The CE labelling consists of the CE mark, the test institute approval number, year of first time approval, pictograms and test performance.





### EN 388:2003 – Protection against mechanical damage

| a) Abrasion resistance  | 1 - 4 |
|-------------------------|-------|
| b) Blade Cut resistance | 1 - 5 |
| c) Tear resistance      | 1 - 4 |
| d) Puncture resistance  | 1 - 4 |

### EN 407:2004 – Welding gloves, Thermal resistance

| a) Burning behaviour               | 1 - 4 |
|------------------------------------|-------|
| b) Contact heat                    | 1 - 4 |
| c) Convective heat                 | 1 - 4 |
| d) Small splashes of molten metals | 1 - 4 |
| f) Large splashes of molten metals | 1 - 4 |

### EN 420 – general requirements for most protective gloves as:

- Product and packaging information and labelling
- Care and maintenance
- Size
- The product itself must present no risk to users (requirements concerning chromium content and pH)
- Storage of the products



#### Welding Gloves

Glove EN Standards & Materials

| Test Criteria<br>achievable    | Minimum           Standard         performance           required         required |   | Maximum<br>performance |   |
|--------------------------------|--|---|------------------------|---|
|                                |  | A | В                      |   |
| Abrasion resistance            | EN 388   | 2 | 1                      | 4 |
| Blade cut resistance           | EN 388   | 1 | 1                      | 5 |
| Tear resistance                | EN 388   | 2 | 1                      | 4 |
| Puncture resistance            | EN 388   | 2 | 1                      | 4 |
| Burning behaviour              | EN 407   | 3 | 2                      | 4 |
| Contact heat                   | EN 407   | 1 | 1                      | 4 |
| Convective heat                | EN 407   | 2 | n/a                    | 4 |
| Small splashes of molten metal | EN 407   | 3 | 2                      | 4 |
| Dexterity                      | EN 420   | 1 | 4                      | 5 |

| Gloves Size (Men's) | Circumfence (cm) | Hand Length (cm) |
|---------------------|------------------|------------------|
| Medium (8)          | 20 - 23          | 18.5             |
| Large (9)           | 23 - 25.5        | 20               |
| X-Large (10)        | 25.5 - 28        | 21.5             |
| XX-Large (11)       | 28 - 31          | 22.5             |



#### Leather quality

Finding the right quality leather to meet the exacting requirements of the welding professional requires experience. ESAB have extensive knowledge and experience with tanning and finishing – important processes that determine the final quality of the leather. It is these processes that give the leather its qualities in relation to strength, softness and flexibility.

The upper skin is called "grain" and the inner skin is called "split" Grain leather is soft, durable, wear resistant and tolerates some water. It can also withstand heat up to 80°C. Split leather is porous and will therefore absorb humidity more easily than grain leather. Its naturally rough surface gives good grip properties. The thickness depends on how the skin is cut and whether it is cut in one or two layers.

Without special treatment, split leather can resist heat up to 100°C.

#### Cowhide

Used in both grain and split leather, cowhide is extremely versatile, and is a foundation for many glove types. Cowhide provides a great balance of features, particularly related to flame resistance and overall durability. ESAB chooses premiumgrade cowhide for use in many of our MIG gloves where fire resistance and durability are most important. Cowhide is also used in combination with other leathers to achieve the best performance where it is needed most. For example, TIG gloves may use goatskin for the hand, but will use split cowhide for the cuff.

#### Goatskin

Prized for its extreme suppleness and resistance to oils and weather, goatskin is a highly durable material that is very soft. The thin, soft, pliable characteristics of goatskin make it the perfect choice for TIG welding because it offers extreme flexibility with minimal obstruction to touch. ESAB chooses goat and kidskin for TIG glove applications.

All ESAB gloves have a high resistance to heat and offer additional protection against spatter.



Tested against mechanical stress such as abrasion, cut, tear, and puncture.



Tested for thermal performance, such as exposure to an open flame, contact heat, convective heat, radiant heat, and small and large splashes of molten metal.

### **Curved MIG (GMAW) Gloves**



- Ergonomically designed to fit the natural curve of the hand, these MIG gloves are made from heavy and fine-cut leather, and are lined from hand to cuff
- With the curved design, the glove fits the hand perfectly, and also has a flexible wrist area that reduces friction
- With welted seams, Kevlar<sup>®</sup> stitching, and reinforced thumb, these gloves are ultra strong and offer the highest level of protection

| Ordering Information |            |  |
|----------------------|------------|--|
| Size Medium (8)      | 0700500418 |  |
| Size Large (9)       | 0700500420 |  |
| Size X-Large (19)    | 0700500421 |  |
| Size XX-Large (11)   | 0700500422 |  |

#### **Heavy-Duty Basic MIG Gloves**



- High quality 1.2/1.3 mm side split cowhide welding glove with wing thumb, Kevlar stitching and fully welted
- Fully lined with FR cotton to the cuff and fleece jersey liner to the palm
- This glove offers durability, longevity and comfort



| Ordering Information |            |
|----------------------|------------|
| Size Large (9)       | 0700500426 |

#### **Heavy-Duty Regular MIG Gloves**



- Heavy-duty durable yet flexible welding glove. Made from 1.3 mm side split cowhide which is fully heat resistant and hard wearing
- Features reinforced thumb, fully Kevlar stitched and welted with additional vein patch for added protection
- Fully lined with FR cotton to the cuff and fleece jersey liner to the palm



| Size Large (9) 0700500435 |  |
|---------------------------|--|



#### **Heavy-Duty Black MIG Gloves**



- A high quality welding glove made of black, strong cow split leather
- High dexterity with Kevlar stitching ensures that the glove can resist hard mechanical stress
- The gloves are also fully welted



| Ordering Information |            |
|----------------------|------------|
| Size Large (9)       | 0700500429 |

#### **Heavy-Duty EXL MIG Gloves**



- A high quality welding glove made of both cow split and grain leather. The grain leather back offers excellent heat properties while the split leather offers excellent dexterity, durability and comfort
- Features reinforced thumb, fully Kevlar stitched and welted with additional vein patch for added protection
- Fully lined with FR cotton to the cuff and fleece jersey liner to the palm



| Ordering Information |            |
|----------------------|------------|
| Size Large (9)       | 0700500432 |
| Size X-Large (10)    | 0700500433 |



### **Curved TIG (GTAW) Gloves**



- These TIG gloves are ergonomically designed to fit the natural curve of the hand, giving you quality and comfort like none other
- Made from thin, high-quality leather with improved fit for higher dexterity, the gloves are highly durable, with welted seams and Kevlar stitching
- Extremely lightweight for additional comfort

| Ordering Information |            |  |
|----------------------|------------|--|
| Size Medium (8)      | 0700500448 |  |
| Size Large (9)       | 0700500449 |  |
| Size X-Large (19)    | 0700500450 |  |
| Size XX-Large (11)   | 0700500451 |  |

### **Professional TIG Gloves**



- A high-quality TIG glove with a reinforced thumb and 13 cm long leather cuff
- Fully Kevlar stitched and welted with additional vein patch for added protection
- Lined with fleece jersey liner to the palm



| Ordering Information |            |
|----------------------|------------|
| Size Large (9)       | 0700500463 |





#### **Supersoft TIG Gloves**



- Exclusive TIG glove made from a high quality sheepsskin and a 13 cm long cow split leather cuff
- Fully Kevlar stitched and welted with wraparound index finger for increased dexterity
- Extremely comfortable, dexterous and durable

| Ordering Information |            |
|----------------------|------------|
| Size Large (9)       | 0700500465 |
|                      |            |

#### **Soft TIG Gloves**



- A thin TIG glove made from pig split leather and a 13 cm long leather cuff
- Fully Kevlar stitched and welted with wraparound index finger for increased dexterity and additional vein patch for added protection



| Size Large (9) 0700500464 | Ordering Information |                |            |
|---------------------------|----------------------|----------------|------------|
|                           |                      | Size Large (9) | 0700500464 |

#### **Basic TIG Gloves**



- Lightweight and durable traditional TIG glove
- Soft leather palm and back for superior dexterity and with a 13 cm long cuff



| Ordering Information |            |
|----------------------|------------|
| Size Large (9)       | 0700500460 |

### **Heavy-Duty Aluminium Gloves**



- Woven Kevlar aluminised back capable of withstanding a radiant heat of up to 1000 °C with a heavy duty 1.3 mm ceramic fibre supported leather palm capable of contact palm heat up to 250 °C
- The glove features wing thumb, fully welted seams and Kevlar stitched
- Heavy duty FR drill cotton liner which features a Thermolate treatment to the palm. The Aluminium reflects all thermal radiation away from the user



| Ordering Information  |            |
|-----------------------|------------|
| Size Large (9) 250 °C | 0700500423 |

#### **Aluminised Hand Shield**



- Woven Kevlar aluminised welders hand shield for use in conjunction with welding gloves
- Provides added protection from radiant heat and general heat stress
- Aluminised Kevlar is bonded and stitched onto a 1.2 mm cow split leather which is elasticated to fit all hand sizes

| Ordering Information |            |  |
|----------------------|------------|--|
| One Size             | 0700010009 |  |



### **Protective Clothing**

ESAB's Leather protective range is helping to redefine welder protection, with garments that provide optimal fit, comfort, performance, style & durability, resulting in safer, more productive working environments.

<u>,</u>



Protective clothing for welding (causing high levels of spatter and radiant heat).

#### FR Welding Jacket Sizing Chart

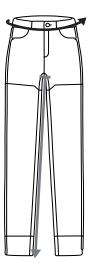
| Size     | Chest (cm) | Sleeve (cm) | Torso (cm) |
|----------|------------|-------------|------------|
| Medium   | 102        | 76          | 76         |
| Large    | 112        | 79          | 77.5       |
| X-Large  | 122        | 81          | 78.75      |
| XX-Large | 132        | 84          | 80         |
| 3X-Large | 142        | 86          | 81.25      |
| 4X-Large | 152        | 89          | 82.50      |

#### FR Welding Trousers Sizing Chart

| Size        | Size Waist (cm) Inseam (cm) |      |
|-------------|-----------------------------|------|
| Medium 81.2 |                             | 81.2 |
| Large       | 86.3                        | 81.2 |
| X-Large     | 91.4                        | 81.2 |
| XX-Large    | 96.5                        | 81.2 |



Protective clothing against heat and flame.



### **FR Welding Jacket**

- Sleeves and shoulders are made of durable grade-A leather to withstand the exposure to welding spatter
- The front and back are made from flame-retardant Proban material
- Kevlar stitching, stand-up collar, adjustable sleeves and concealed inner pockets



- Top and bottom are made from flame-retardant Proban material
- Reinforced front with leather to withstand the exposure to welding spatter
- Kevlar stitching



| Ordering Information |            |  |
|----------------------|------------|--|
| Size Medium          | 0700500408 |  |
| Size Large           | 0700500409 |  |
| Size X-Large         | 0700500410 |  |
| Size XX-Large        | 0700500411 |  |
| Size 3X-Large        | 0700500412 |  |
| Size 4X-Large        | 0700500413 |  |



| Ordering Information |            |
|----------------------|------------|
| Size Medium          | 0700500467 |
| Size Large           | 0700500466 |
| Size X-Large         | 0700500468 |
| Size XX-Large        | 0700500469 |
|                      |            |

#### Leather Welding Jacket Sizing Chart

| Size     | Chest (cm) | Sleeve (cm) | Torso (cm) |
|----------|------------|-------------|------------|
| Medium   | 112        | 81          | 76         |
| Large    | 122        | 84          | 76         |
| X-Large  | 132        | 86          | 76         |
| XX-Large | 142        | 89          | 76         |



#### Leather Welding Jacket



- Made of durable grade-A leather to give the best protection against heat and welding spatter and with a reinforced front
- Back made of flame retardant Proban material to reduce weight
- Kevlar stitching, stand-up collar, adjustable sleeves and concealed inner pockets



| Ordering Information |            |
|----------------------|------------|
| Size Medium          | 0700500414 |
| Size Large           | 0700500415 |
| Size X-Large         | 0700500416 |
| Size XX-Large        | 0700500417 |

### Welding Apron



- Made of durable grade-A leather to give the best protection against heat and welding spatter
- This protective apron distributes weight effectively
- Kevlar stitching and 107 cm long



 Ordering Information
 0700500407



#### **Leather Gaiters**



- Leather gaiters to protect the footwear during welding
- Made of durable grade-A leather to give the best protection against heat and welding spatter
- Fastened using velcro



| Ordering Information |            |
|----------------------|------------|
| One Size (x2)        | 0700500445 |

### **Welding Sleeve**



- Chromee leather sleeves made of durable grade-A leather to give the best protection against heat and welding spatter
- Elasticated cuffs and a total length of 47 cm
- Fastened using velcro



This Jacket must be worn in conjunction with welders garmets meeting EN ISO 11611:2015

PROTECTIVE CLOTHING

| Ordering Information |            |
|----------------------|------------|
| One Size (x2)        | 0700500447 |

### **Proban Hood**

■ Worn underneath the welding helmet. Flame-resistant head protection that covers the head, neck, and shoulders



| Ordering Information |            |
|----------------------|------------|
| One Size             | 0000593269 |

#### **Sentinel Bandana**

Worn underneath the welding helmet to protect your head and hair from friction and irritation from the headgear.





Worn underneath the welding helmet to protect your head

and hair from friction and irritation from the headgear.

■ Worn underneath the welding helmet. Flame-resistant head

protection that covers the head, neck, and shoulders when

**Balaclava** 

**Ordering Information** 

**Welders Cap** 

One Size

working in a cold environment

| Ordering Information |           |
|----------------------|-----------|
| One Size             | 070000821 |





0700010269

| Ordering Information |            |
|----------------------|------------|
| One Size             | 0700010351 |

PROTECTIVE CLOTHING



#### Warrior<sup>™</sup> Spectacles



- Warrior<sup>™</sup> safety spectacles are used for drilling, chipping, and metalworking
- Sporty lightweight style, soft to the touch, anti-slip nose bride and a lightweight wrap-around neck cord
- Extremely flexible and durable and are available in four different lens configurations that protect against UV radiation
- CE approved according to EN 166-F
- Delivered 12 pairs per box individually packaged

| Ordering Information |            |
|----------------------|------------|
| Clear                | 0700012030 |
| Smoked               | 0700012031 |
| Amber                | 0700012032 |
| Shade 5              | 0700012033 |



#### **Eco Spectacles**



- Eco safety spectacles are used for drilling, chipping, and metalworking
- Sporty lightweight style available in three different lens configurations that protect against UV radiation
- CE approved according to EN 166-F
- Delivered 10 pairs per box individually packaged

| Ordering Information |        |            |
|----------------------|--------|------------|
|                      | Clear  | 0700012017 |
|                      | Smoked | 0700012018 |
|                      | Amber  | 0700012019 |





### **Visitor Spectacles**

- Protects the eye from flying particles
- Made of impact-resistant polycarbonate

### **Grinding Visor**

- Protects the face when grinding.
- Strong brown guard and with an adjustable harness



| Ordering Information |            |
|----------------------|------------|
| One Size             | 0700012021 |
|                      |            |



| Ordering Information   |            |
|------------------------|------------|
| One Size               | 0700012020 |
| Replacement Visor (x5) | 0700012023 |

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# **UNRIVALED** SERVICE AND SUPPORT.

All ESAB products are backed by our commitment to superior customer service and support. Our skilled customer service department is prepared to quickly answer any questions, address problems, and help with the maintenance and upgrading of your machines. And our products are backed with the most comprehensive warranty in the business.

With ESAB, you can be sure you purchased a product that will meet your needs today and in the future. Product and process training is also available. Ask your ESAB sales representative or distributor for a complete ESAB solution.

For more information please visit **esab.com** 





