

WELDING HELMETS

ESAB
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WELDING HELMET SELECTION GUIDE



Helmet	Swarm A20	G30 / G30 AIR	G40 / G40 AIR	G50 / G50 AIR	Savage A40 / A40 AIR	Savage A50 LUX / A50 AIR	Sentinel A60 / A60 AIR
ADF	Yes	No	No	Yes	Yes	Yes	Yes
Lens Shade	9 - 13 auto-darkening	DIN 10 or 11 (Interchangeable)	DIN 10 (Interchangeable)	9 - 13 auto-darkening	9 - 13 auto-darkening	5 - 13 auto-darkening	5 - 13 auto-darkening
Optical Class	1/1/1/2	NA	NA	1/1/1/2	1/1/1/2	1/1/1/1	1/1/1/1
Sensors	2 Sensors			2 Sensors	4 Sensors	4 Sensors	4 Sensors
Weight - Standard helmet (g)	520g	570g	700g	730g	500g	575g	644g
Weight - Prepared for Air (g)	NA	730g	870g	890g	700g	791g	860g
Viewing area (mm)	93 x 43	155 x 170	90 x 110	97 x 47	100 x 50	100 x 60	118 x 71
Memory	No	NA	NA	No	No	No	9 settings
Grind button	No			No	Yes (external)	Yes (external)	Yes (external)
Switch time	0.1 ms			0.08 ms	0.07 ms	0.08 ms	0.08 ms
Delay control	Yes			Yes	Yes 0.1 – 0.9 s	Yes 0.1 – 0.9 s	Yes 0.1 – 0.9 s
Sensitivity control	Yes			Yes	Yes	Yes	Yes
True Colour	No	No	No	No	Yes	Yes	Yes
Warranty	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	3 Years
Ordering Information	0700102010 Swarm A20	0700000430 G30 DIN 10	0700000440 G40 Air 90 x 110	0700000438 G50 9-13	0700000490 Savage A40 Black	0700500950 Savage A50 LUX	0700600860 Sentinel A60
		0700000431 G30 DIN 11		0700000441 G50 Air 9-13	0700000491 Savage A40 Yellow	0700500951 Savage A50 LUX Air	0700600861 Sentinel A60 Air
		0700000433 G30 Air DIN 10			0700500400 Savage A40 Air Black With replaceable battery		
		0700000434 G30 Air DIN 11					
EPR-X1.1 PAPR 	NA	0700500920 PAPR System with Expandable Hose	0700500920 PAPR System with Expandable Hose	0700500920 PAPR System with Expandable Hose	0700500920 PAPR System with Expandable Hose	0700500920 PAPR System with Expandable Hose	0700500920 PAPR System with Expandable Hose

WELDING HELMET
SWARM A20

The lightweight SWARM A20 welding helmet is a heavyweight when it comes to performance and flexibility. Using an advanced auto-darkening filter (ADF), SWARM A20's externally selectable shade range from 9–13 tackles the most demanding welding applications. A handy grind setting, also found on the external knob, allows quick attention to finishing work. Further adjustments to delay and sensitivity settings can be made easily with dials inside the helmet.



SPECIFICATIONS

Viewing Area 93 x 43 mm
Active Lens Shade (Adjustable) 9 –13
Passive Lens Shade 4
Power Supply 1 x CR2032 battery, replaceable
Arc Sensors 2
Switch Time (Light to Dark) 0.1 ms
CE Optical Classification 1/1/1/2
Standards and Certifications CE: EN175; EN379; EN166; ANSI: Z87.1; CSA: Z94.3
Weight 520g

ORDER INFORMATION

SWARM A20 Welding Helmet: Part No. 0700102010

WELDING HELMET
G30/G30 Air

The G30 is a unique design in flip front welding and grinding helmets. The visor provides effective protection from UV and IR radiation when the visor is both open and closed, and is available in different shade levels. The helmet is equipped with a strong and comfortable head gear.



SPECIFICATIONS

Viewing Area 155 mm x 170 mm (large visor)
Large Inner Lens DIN Options Clear, DIN 2, DIN 3, DIN 5
Outer Flip Visor DIN Options DIN 5, DIN 8, DIN 10
Standards CE, ANSI, CSA, ASNZS, EN12941 Class TH3 P R SL
Weight – G30 570g
Weight – G30 Air 730g

ORDER INFORMATION

G30 DIN 10 Welding Helmet: Part No. 0700000430
G30 Air DIN 10: Part No. 0700000433
EPR-X1.1 PAPR system: Part No. 0700500920

WELDING HELMET
G40/G40 Air
G50/G50 Air

G40 & G50 is a combined welding and grinding helmet of which the G40 houses a passive mineral glass and the G50 houses an ADF Automatic Darkening Filter, shade levels DIN 9-13, and with flip-up visor. The large plastic lens gives the welder an unobstructed field of view when the visor is flipped up. The helmets are rated B in the impact resistance classification, which means they are approved for grinding.



SPECIFICATIONS

Model	G40	G50
Viewing Area	60 x 110 / 90 x 110 mm	97 x 47 mm
Lens Shade	DIN 10	9 -13 Automatic
Power Supply	-	Solar cell, no battery change
Standards	EN12941 Class TH3 P R SL	EN12941 Class TH3 P R SL
Classification	-	1/1/1/2
Weight Standard Helmet	700 g	730 g
Weight Air Version Helmet	870 g	890 g

ORDER INFORMATION

G50 9-13 0700000438 G40 Air: Part No. 0700000440
G50 Air 9-13 Prepared for fresh air (incl. air duct and face seal) Part No. 0700000441
EPR-X1.1 PAPR system with expandable hose: Part No. 0700500920

WELDING HELMET
SAVAGE A40

The SAVAGE A40 helmet has been designed to meet the needs of a variety of welders, providing a high tech lightweight shell to protect from heat, sparks and spatter. Utilising the latest ADF technology, the welding lens gives a high clarity of view with True Colour, resulting in an excellent optical quality. The SAVAGE A40 helmet provides ideal functionality, performance and comfort to the occasional welder, maintenance and construction workers through to the professional welder.



SPECIFICATIONS

Viewing Area 100 x 50 mm
Lens Shade DIN 4, 9 -13 Automatic
Power Supply Solar cell, Replaceable Battery (1*CR2450 lithium). Alerts when low battery.
Sensors 4
Switch Time, from Dark to Light 0.1-0.9 s
Switch Time, at 23°C 0.07 ms
Classification 1/1/1/2
Standards CE EN379, EN175, ANSI, CSA, & AS/NZS
Weight 500g

ORDER INFORMATION

Savage A40 9-13 Black: Part No. 0700000490
Savage A40 9-13 Yellow: Part No. 0700000491

WELDING HELMET
SAVAGE A40 Air

Combined with ESAB PAPR (available separately) the SAVAGE A40 Air delivers uncompromising protective performance for all welding activities. The PAPR system provides user-selectable airflow control to deliver TH2-level filtration performance for fine particulates. The welding experience is further enhanced with SAVAGE A40's state-of-the art ADF light filtration, offering True Colour viewing of the weld pool and full user-adjustable controls for shade, delay and sensitivity. An easy-to-access grind mode button allows fast switching between grinding and welding. The SAVAGE A40 Air checks all the boxes for the serious and professional welder



SPECIFICATIONS

Viewing Area 100 x 50 mm
Lens Shade 9 -13 Automatic
Power Supply Solar cell, Replaceable battery. (1*CR2450 lithium). Alerts when low battery.
Sensors 4
Switch Time, from Dark to Light 0.1-0.9 s
Switch Time, at 23°C 0.07 ms
Classification 1/1/1/2
Standards CE EN379, EN175, EN12941, ANSI Z87.1 , CSA Z94.3, & AS/NZS 1338.1
Weight 700g

ORDER INFORMATION

SAVAGE A40 Air, Replaceable Battery, Black: Part No. 0700500400
EPR-X1.1 PAPR system with expandable hose: Part No. 0700500920

WELDING HELMET
SAVAGE A50 LUX/A50Air

The Savage A50 LUX has the performance to deliver advanced OpTCS™ true-colour viewing at a flawless EN 1/1/1/1 optical level. The ADF features a simple, intuitive control panel that offers control over the most critical features related to all types of welding, with wide shade selection 5-steps of delay and sensitivity. Adding to the Savage A50 LUX's versatility, is a 50-lumen, dual LED work-light, integrated behind the moulded front cover lens. The work-light is powered by it's own "AA" battery, which offers long life using the integrated arc sensor, shutting the light off only when an arc or intense light is detected. The Halo™ headgear found in the Savage A50 LUX, is the same 5-point adjustable solution offered in the Seintinel A60.



SPECIFICATIONS

Viewing Area 100 x 60 mm
Lens Shade DIN 3, 5 -13 Automatic
Power Supply Solar cell, Replaceable Battery (1*CR2450 lithium). Alerts when low battery.
Sensors 4
Switch Time, from Dark to Light 0.1-0.9 s
Switch Time, at 23°C 0.07 ms
Classification 1/1/1/1
50-lumen, dual LED work-light
Standards CE EN379, EN175, ANSI, CSA, & AS/NZS
Weight 575g

ORDER INFORMATION

Savage A50 LUX: Part No. 0700500950
Savage A50 LUX Air: Part No. 0700500951
EPR-X1.1 PAPR system with expandable hose: Part No. 0700500920

WELDING HELMET
SENTINEL A60

Sentinel A60 welding helmet is taking your welding to the next level with a huge panoramic view and perfect 1/1/1/1 EN optical clarity. Now you'll have an even wider view of the weld pool without any distortion.The reengineered auto-darkening filter (ADF) features a new ESAB OpTCS™ broad-spectrum light control technology from ESAB. This delivers an enhanced True Colour view with reduced eye fatigue for the most demanding days on the job. New 0.5 increment shade adjustments give you more precise control of your view.
The signature shell design of Sentinel, fully-adjustable Halo™ headgear, and external grind mode button complete the most comfortable, highest performance helmet ESAB has ever produced.



SPECIFICATIONS

Viewing Area - 118 x 71 mm
Active Lens Shade 5 –13 (Adjustable in 0.5 shade increments)
Passive Lens Shade - 3
Power Supply - 2 CR2450 batteries, replaceable
Arc Sensors - 4
Switch Time (Light to Dark) - 1/25,000 second
Switch Time (Dark to Light) - Digitally adjustable from 0.1 to 0.9 second
CEOptical Classification - 1/1/1/1
Standards and Certifications CE: EN175; EN379; EN166, ANSI: Z87.1, CSA: Z94.3, AS/NZS 1338.1, ISO 16321+TIG
Weight - 644g

ORDER INFORMATION

Sentinel A60 Helmet: Part No. 0700600860

WELDING HELMET
SENTINEL A60 Air

The Sentinel A60 Air welding helmet builds on the advancements of the standard Sentinel A60, taking your welding to the next level. A large panoramic view and perfect 1/1/1/1 EN optical clarity provide an even wider view of the weld pool without any distortion. The reengineered auto-darkening filter (ADF) features new OpTCS™ broad-spectrum light control technology from ESAB, giving you an enhanced True Colour view with reduced eye fatigue for the most demanding days on the job. New 0.5 increment shade adjustments give you more precise control of your view. The shell retains the signature Sentinel design, and incorporates a new air diffusor screen.
Fully adjustable Halo™ headgear, external grind mode button and the most comfortable, highest performance helmet ESAB has ever produced.



SPECIFICATIONS

Viewing Area - 118 x 71 mm
Active Lens Shade 5 –13 (Adjustable in 0.5 shade increments)
Passive Lens Shade - 3
Power Supply - 2 CR2450 batteries, replaceable
Arc Sensors - 4
Switch Time (Light to Dark) - 1/25,000 second
Switch Time (Dark to Light) - Digitally adjustable from 0.1 to 0.9 second
CEOptical Classification - 1/1/1/1
Standards and Certifications CE: EN175; EN379; EN166, ANSI: Z87.1, CSA: Z94.3, AS/NZS 1338.1, ISO 16321+TIG
Weight - 860g

ORDER INFORMATION

Sentinel A60 Helmet: Part No. 0700600861
EPR-X1.1 PAPR system with expandable hose: Part No. 0700500920

PAPR SYSTEM
EPR X1.1

ESAB's EPR-X1.1 PAPR unit connects seamlessly with all current ESAB prepared for air welding helmets and provides advanced respiratory protection from harmful welding fume particulates. This PAPR is designed for applications ranging from occasional use to full-time industrial applications. The EPR-X1.1 offers a robust, compact housing with a powerful blower to ensure maximum life and performance. Check your battery status, fan settings and filter conditions at a glance with quick-access status LED lights. Additionally, the PAPR provides audible and vibratory alerts to notify the user of low air flow (indicating a needed filter change) and low battery conditions.



SPECIFICATIONS

Air Flow	Selectable 170; 190; 210 l/min (6 - 7.8 cfm)
Battery Time	Up to 10h @ 170 l/min (7.8 cfm)
Filter	P3 filter and pre-filter with replaceable spark arrestor
Certifications	CE EN12941 TH3 P
Dimensions LxHxW	210 x 169 x 78 mm
Weight	1 kg (2.2 lbs)

Combined Gas Filter

Air Flow	170 l/min
Certifications	CE EN12941:1998/A2:2008 TH3A1B1E1P R SL
Dimensions LxHxW	207 x 101 x 89 mm
Weight	550 g



ORDER INFORMATION

EPR-X1.1 PAPR system with expandable hose: Part No. 0700500920
EPR-X1.1 Combined Gas Filter A1B1E1 and P3: Part No. 0700500914

WELDING HELMET SPARES

Swarm A20	Item No.	MOQ
Swarm A10 / A20 Headgear	0700102005	1
Swarm A10 / A20 / A30 Front Cover Lens	0700102004	5
Swarm A10 / A20 Inner Cover Lens	0700102008	5

G30	Item No.	MOQ
Large inner Visor G30 DIN 2	0700000502	1
Large inner Visor G30 DIN 3	0700000503	1
Large inner Visor G30 DIN 5	0700000504	1
Outer Flip Visor G30 Din 5	0700000505	1
Outer Flip Visor G30 Din 8	0700000506	1
Outer Flip Visor G30 Din 10	0700000507	1

G50	Item No.	MOQ
Large inner Visor G30, G40 & G50 -Clear	0700000501	1
Front Cover Lens G40 & G50	0700000517	10

G30, G40, G50 Air	Item No.	MOQ
Head & Face Seal G30, G40 & G50	0700000512	1

Savage A40	Item No.	MOQ
Front cover lens,	0700000010	10
Inside Cover Lens	0700000482	10
Savage A40 Air		
Face Seal	0700500405	1

Savage A50 Lux	Item No.	MOQ
Savage A50 LUX Front Cover Lens Clear	0700500953	5
Savage A50 LUX Front Cover Lens Clear HD	0700500954	5
Savage A50 LUX Inner Cover Lens	0700500955	5
Savage A50 Lux Air		
Savage A50 LUX Air face seal	0700500960	1

Sentinel A60	Item No.	MOQ
Sentinel A60 Front Cover Lens - Clear	0700600880	2
Sentinel A60 Front Cover Lens - Amber	0700600881	2
Sentinel A60 Front Cover Lens -Clear HC*	0700600882	2
Sentinel A60 Front Cover Lens - Amber HC*	0700600883	2
Sentinel A60 Inside Cover Lens	0700600866	5
Sentinel A60 Air		
Sentinel A60 Face Seal	0700600870	1

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