



Dräger X-plore® 8000 Welding Visors

Head pieces for powered air-purifying respirators

Dräger X-plore® 8000 Welding Visors offer reliable protection for the eyes and face. As an integral part of our Dräger X-plore® 8000 powered air-purifying respirator system, they ensure safe breathing during welding work.

Dräger X-plore® 8000 Welding Visors



D-9128-2023_D-9129-2023-pl-en-master

Dräger X-plore® 8000 Welding Visors



Benefits

The Dräger X-plore® 8000 system - designed for maximum compatibility

No matter how challenging the conditions, the X-plore® system from Dräger offers maximum respiratory protection without increased breathing resistance, even over long periods of time. In combination with X-plore® 8000 Welding Visors from Dräger, the system offers additional face and eye protection. Combine the system with both versions of Dräger welding visors to give you high-performance protection you can rely on.

Dräger X-plore® 8000 Welding Visors - use cases

Dräger X-plore® 8000 Welding Visors provide effective protection against sparks and weld splatter, as well as harmful light rays generated during welding.

In combination with the Dräger X-plore® 8000 powered air-purifying respirator, the system ensures additional respiratory protection against a wide range of hazardous substances that may occur during your welding work.

Welding visors from Dräger are used during machining, grinding work, metal repairs and welding. X-plore® 8000 welding visors from Dräger are ideal for use in the following scenarios: shielded metal arc (stick) welding; tungsten inert gas (TIG) welding; metal inert gas (MIG) welding / metal active gas (MAG) welding; plasma cutting/welding; grinding; oxy-fuel welding/cutting. X-plore® 8000 Welding Visors are not suitable for use during laser beam welding.

Dräger X-plore® 8000 Welding Visor Standard

With the X-plore® 8000 Welding Visor Standard, you can conveniently switch the ADF to grinding mode by simply pressing the button on the outside of the visor.

The slim, heavy-duty visor is equipped with a durable, flame-retardant chin and neck closure. The diffused breathing air and an individually adjustable headband ensure a comfortable wearing feeling and optimal fit during your work.

The Automatic Darkening Filter (ADF) module has a dual power supply via solar cell and battery with a battery life of up to 2,200 hours. A warning light lights up on the ADF module to indicate when the battery is running low.

Set the ADF module's shade state according to your application: state 4 for grinding, 5-8 for cutting and 9-13 for welding.

Dräger X-plore® 8000 Welding Visor Premium

The X-plore® 8000 Welding Visor Premium features a hinged automatic welding protection screen. Simply flip up the screen to switch between the welding shield and the inner transparent visor, which is ideal for all pre- and post-processing work as well as grinding applications.

You can individually adjust the strap system to ensure the visor fits comfortably and securely. Darkened side windows provide an extended field of vision of the work area. If required, the side windows can be optionally covered.

The ADF module of the X-plore® 8000 Welding Visor Premium features a dual power supply (solar cell and batteries) with a long battery life of up to 2,800 hours. A digital display indicates the battery life.

Details



X-plore® 8000 Welding Visor
Standard



X-plore® 8000 Welding Visor
Premium



X-plore® 8000 Welding Visor
Premium with open visor



X-plore® 8000 Welding Visor
Standard



X-plore® 8000 Welding Visor
Premium



Head harness for X-plore® 8000
Welding Visor Premium

Darkening stages for various welding processes in accordance with EN 379

Current in amperes																							
Welding processes	1.5	6	10	15	30	40	60	70	100	125	150	175	200	225	250	300	350	400	450	500	600		
MMAW (coated electrodes)	8							9	10			11			12			13			14		
MAG	8								9	10			11			12			13			14	
TIG				8	9			10			11			12			13						
MIG									9	10			11			12			13		14		
MIG welding for light metals											10			11		12		13		14			
Air arc gouging	10												11	12		13		14		15			
Plasma beam cutting										9	10	11	12			13							
Micro plasma welding	4	5		6		7	8	9	10			11			12								

Recommended shade states for welding processes according to ANSI Z49.1

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Welding processes	Electrode size (in. [mm])	Current in amperes	Minimum shade state	Recommended shade state ¹⁾
Manual metal arc welding	> 3/32 [2.4]	< 60	7	-
	3/32 to 5/32 [2.4 to 4.0]	60 to 160	8	10
	3/32 bis 5/32 [2.4 to 4.0]	160 to 250	10	12
	> 1/4 [> 6.4]	250 to 550	11	14
Gas-shielded welding and flux-cored welding		< 60	7	-
		60 to 160	10	11
		160 to 250	10	12
		250 to 550	10	14
Tungsten inert gas welding		< 50	8	10
		50 to 150	8	12
		150 to 500	10	14

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Welding processes	Electrode size (in. [mm])	Current in amperes	Minimum shade state	Recommended shade state ¹⁾
Air-carbon arc cutting	light	> 500	10	12
	heavy	500 to 1000	11	14
Plasma welding		< 20	6	6 to 8
		20 to 100	8	10
		100 to 400	10	12
		400 to 800	11	14
Plasma cutting ²⁾		< 20	4	4
		20 to 40	5	5
		40 to 60	6	6
		60 to 80	8	8
		80 to 300	8	9
		300 to 400	9	12
		400 to 800	10	14
Brazing		-	-	3 or 4
Soldering		-	-	2
Carbon-arc welding		-	-	14

¹⁾ Rule of thumb: Start with a higher shade state and then select lower shade state until the view of the welding zone is sufficient without falling below the minimum shade state. During oxy-fuel welding or cutting, the welder produces a strong yellow light. Here it is recommended to use a protective welding filter that absorbs the yellow light of the visible spectral range.

²⁾ These values apply when the arc is clearly visible. Based on our experience, we have found that you can select lower shade states when the arc is obscured by the workpiece.

Recommended shade states for welding processes according to ANSI Z49.1

Welding processes	Workpiece thickness (in.)	Workpiece thickness (mm)	Recommended shade state
Oxy-fuel welding			
Thin	< 1/8	< 3.2	4 or 5
Medium	1/8 to 1/2	3.2 to 12.7	5 or 6
Thick	> 1/2	> 12.7	6 or 8
Oxy-fuel cutting			
Thin	< 1	< 25	3 or 4
Medium	1 to 6	25 to 150	4 or 5
Thick	> 6	> 150	5 or 6

System Components



Dräger X-plore® 8000

Challenging workplace conditions demand reliable solutions. The Dräger X-plore® 8000 powered air-purifying respirator offers a new level of intuitive handling combined with intelligent electronics that provide the high degree of safety your people need to focus on the task at hand.

D-3447-2023

Related Products

D-8612-2023



Dräger X-plore® 8000 Helmets

Dräger X-plore® 8000 helmets provide effective mechanical head protection combined with maximum comfort. Regardless of whether you are dependent on ambient air or working independently, the helmets are an integral part of our Dräger X-plore® 8000 powered air-purifying respirator systems and Dräger X-plore® 9300 compressed air line device.

D-3434-2023



Dräger X-plore® 8000 Face Shield

The Dräger X-plore® 8000 face shield effectively protects your face and helps you to breathe safely. Giving you increased respiratory protection, it is an integral part of the Dräger X-plore® 8000 powered air-purifying respirator systems and Dräger X-plore® 9300 compressed air line system.

D-25013-2020



Dräger X-plore® 8000 Hoods

Dräger X-plore® 8000 hoods are an integral part of our Dräger X-plore® 8000 powered air-purifying respirator systems for work requiring the use of ambient air, and our Dräger X-plore® 9300 compressed air line system for working with an independent air supply. They provide lightweight, comfortable respiratory protection combined with the highest protection category for loose-fitting headpieces.



Dräger X-plore® 8000 Head Pieces with Hood

The Dräger X-plore® 8000 helmet/bump cap and hood combination provides reliable protection in heavily polluted or contaminated environments. The combination of head protection and hood is an integral part of our Dräger X-plore® 8000 powered air-purifying respirator systems and our Dräger X-plore® 9300 compressed air line device.

Technical Data

Dräger X-plore® Welding Visors

Models	X-plore® 8000 Welding Visor Standard	X-plore® 8000 Welding Visor Premium
Respiratory protection approval	EN 12941– TH3 in combination with Dräger X-plore® 8500	EN 12941– TH3 in combination with Dräger X-plore® 8500
Eye protection approval	EN 175:1997 ANSI/ISEA Z87.1 Outer front screen: EN 166:2001 ANSI/ISEA Z87.1 ADF module: EN 379:2003+A1:2009 ANSI/ISEA Z87.1 CSA Z94.3 AS/NZS 1338.1	EN 175:1997 ANSI/ISEA Z87.1 Outer front screen: EN 166:2001 ANSI/ISEA Z87.1 ADF module: EN 379:2003+A1:2009 ANSI/ISEA Z87.1 CSA Z94.3 AS/NZS 1338.1

Material

Visor material	PA	PA
Face cuff	Flame-resistant cotton	Flame-resistant cotton
Sweatband/padding	Polyester	Polyester
ADF	Laminated glass	Laminated glass
Head harness	PA	PA
Air distribution	HD PE	HD PE
Protective screen (outer/inner)	PC	PC

Dimensions

ADF	133 x 114 x 9 mm	156 x 123 x 33 mm
ADF field of vision	95 x 85 mm	107 x 75 mm
Outer front screen	133 x 114 mm	108 x 160 mm
Inner front screen	94 x 90 mm	80 x 107 mm
Head circumference of the support ring	52 cm to 64 cm	51 cm to 62 cm

Shade states

Grind mode switch	Outer button (shade state 4)	Flip-up automatic weld protection screen
Shade state (inner)	5-8 / 9-13	4 / 5-8 / 9-14
ADF setting range delay	0.1 ~ 1.0 s	0.1 ~ 1.0 s
ADF shading time	0.04 ms	0.04 ms
Switch time (light-dark)	1/25,000 s	1/25,000 s

Technical Data

Total weight	650 g	950 g
ADF module weight	175 g	190 g
Colour	black	black
Batteries	1 x CR2450	2 x CR2450
Air inflow	Rear	Side rear
Air distribution	Overhead air duct	In front of mouth area
Air outflow	diffused	diffused
Operating temperature	10 °C to +55 °C (14 °F to 131 °F)	10 °C to +55 °C (14 °F to 131 °F)
Storage temperature	-20 °C to +70 °C (-4 °F to 158 °F)	-20 °C to +70 °C (-4 °F to 158 °F)

Ordering Information

Head pieces

X-plore® 8000 Welding Visor Standard	37 28 190
X-plore® 8000 Welding Visor Premium	37 28 195

Spare parts

Face seal standard	37 28 191
Face seal premium	37 28 197
Headgear standard	37 28 178
Headgear premium	37 28 198
Visor shell standard	37 28 182
Visor shell with air duct premium	37 28 200
Rubber frame standard	37 28 183
Outside cover lens standard	37 28 184
Outside cover lens premium	37 28 189
Inside cover lens standard	37 28 186
Inside cover lens premium	37 28 192
Lens holder standard	37 28 187
Grind lens holder premium	37 28 193
Set sweatband & soft pad standard	37 28 179
Set sweatband & soft pad premium	37 28 199
Grind lens anti-fog premium	37 28 194
Side lens cover premium	37 28 196
Set ADF & outer + inner cover lens standard	37 28 181
Set ADF & outer + inner cover lens premium	37 28 201
Front lens holder premium	37 28 188

Dräger X-plore® 8000 Air-purifying respirators

Dräger X-plore® 8000 System configurator	R 59 530
Dräger X-plore® 8500	R 59 500

Dräger X-plore® 8000 Breathing hoses

Dräger X-plore® 8000 Standard hose	R 59 620
Dräger X-plore® 8000 Flexible hose	R 59 600
Dräger X-plore® 8000 Hose cover	R 59 660

Ordering Information

Dräger X-plore® 8000 Carrying system

Dräger X-plore® 8000 Welding belt

R 59 720

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