

## Dräger HPS® 4500 Head Protection System

The Dräger HPS® 4500 is a traditional half-shell helmet with a modern design. Its robust outer shell provides you with excellent protection against impact and extreme heat. With a modern visor design, the helmet has superior wearer comfort due to ergonomic and lightweight internal components. A comprehensive range of accessories make our solution a truly versatile helmet across a variety of applications.



## Benefits

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### Hard shell

The outer shell is characterised by a robust and resistant design. The combination of high-temperature-resistant Duroplast and latest aramid fabrics protects you both against falling debris and the heat of naked flames. The outer shell, pressed using a special method (SMC\* method) provides the HPS® 4500 with exceptional stability. At the same time it is one of the lightest helmets of its class and meets the requirements of the new standard EN 443:2008 – type A (half shell).

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### High wearing comfort and easy operation

The HPS 4500 features modern and comfortable internal helmet components. The 4-point harness can be adjusted both in the neck area as well as in the temple area via a simple tensioning system. The convenient adjusting wheel allows you to adjust the fit of the helmet even with thick gloves. The integrated hair net allows for height adjustment, and at the same time, ensures a comfortable cool climate inside the helmet. The harness made of fire-resistant Nomex®/aramid fabric and the sweatband made of eco-leather are washable using common detergents.

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### Heat and scratch resistant visor

The large visor of the HPS 4500 reaches down to the chin area. It is made of thermally high-resistant Polyphenylsulfon material and therefore suitable for interior fire fighting. The visor is approved according to EN 14458 and classified as “face guard”. Therefore the visor provides the greatest possible protection without any interference in your field of vision. The visor has anti-scratch coating on both sides.

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### Comprehensive accessories for every challenge.

Dräger offers you a wide range of accessories for the most varied applications during fire fighting. You can optimize and individualize your helmet to these various challenges by choosing between numerous versions of neck guards, face protections, helmet lamps and communication systems – all of which can be quickly and easily attached to the HPS 4500.

\* SMC (Sheet Molding Compound) – Duroplast, reinforced with aramid fibre cloths; for a higher performance of the entire helmet.

Nomex® is a registered trademark of DuPont.

Parasnap® is a registered trademark of Parat.

Pinlock® is a registered trademark of Pinlock.

## Accessories



### Neck guard Aluminium/Nomex®

Aluminium-coated with back made of Nomex® III.



### Neck guard Nomex® long, Belgium version

Four-layer, highquality Nomex®/Aramid fabric, anti-static, specifically for inside attack, resistant to many acids and bases.



### Neck guard Wool long, Dutch-type

100% wool, oil- and waterrepellant, flame-retardant, edged at bottom with Nomex® III.



### Neck guard Nomex® short

Short and tight, Nomex® with fluorcarbon.

## Accessories



D-15175-2010

### Neck guard Nomex® long, Dutch-type

Three-layer highquality Nomex® fabric.



D-12259-2009

### Neck guard Leather

Good mechanical protection against embers, ash, etc.



D-38000-2015

### PPSU (Polyphenylsulfon) visors

Approved in accordance with EN 14458 and in combination with HPS® 4500 approved in accordance with EN 443:2008. High temperature resistant and therefore suitable for inner attacks.



D-38001-2015

### PC (polycarbonate) visors

Approved in accordance with EN 14458 and in combination with HPS® 4500 for technical rescues in accordance with EN 443:2008.

## Accessories

ST-13367-2008



### Metal mesh visor

To protect the eyes against flying shavings, e.g. when working with wood, approved in accordance with EN 1731.

ST-13366-2008



### Electro visor

To protect eyes against electric arcs when working in electric installations carrying heavy currents, approved in accordance with EN 166 and EN 172.

D-43009-2012



### Safety goggles

With elastic strap in Pinlock®-technology, antifog coating, approved in accordance with EN 166 / EN 14458.

D-1131-2010



### Helmet lamp Dräger PX 1 LED

High-performance helmet lamp with Ex-approval and long-life LED technology.

## Accessories



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### Helmet lamp Dräger PX2 LED

High-performance lamp with new LED technology.



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### Lampholder for Dräger PX1 lamps – Dräger HPS® 4500

Made of high-temperature resistant plastic.



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### Lampholder for Dräger PX2 lamps

Made of high-temperature resistant plastic.



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### Parasnap® helmet attachment for PX1 and PX2 lampholders

Easy and self-explaining lamp adaption with patented Parasnap® magnetic adaption.

## Accessories

ST-13365-2008



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### Hearing protection – Ear muffs

To wear under the helmet.  
Approved according to EN 352.

D-62.041-2012



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### Helmet carrying bag

Suitable for protection and transport of up to two helmets and accessories.

D-4376-2014



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### Helmet bag

Light fabric bag to protect and carry a helmet.



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### Adapter ring for Savox-Coms

For adapting a communication system.

## Accessories



ST-13371-2008

### Anti-fog agent

For all visors and goggles.



D-542-2009

### Paint repair kits

In all helmet colors available.

## Related Products



D-28816-2015

### Dräger HPS® 3500

The Dräger HPS® 3500 – a multifunctional and universal helmet for the diverse requirements of rescue teams during search and rescue, forest and bush fire fighting, traffic accidents, rescue from heights and any kind of technical assistance. Approved in accordance with current standards EN 16471, EN 16473 and EN 12492.



## Related Products



D-595692-2012

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### Dräger HPS® 7000

The Dräger HPS® 7000 firefighter's helmet is in a class of its own, thanks to its innovative, sporty and dynamic design, ergonomic fit and components which make it a multifunctional system solution. It provides optimum protection during every operation.

## Technical Data

Size	H2: 48 to 61 cm, H3: 56 to 64 cm, freely adjustable
Weight	H2: 995 g +/-5%, H3: 1060g +/-5%
Outer shell	GRP = Glass fibre reinforced duroplastic, high-temperature resistant, specially reinforced with aramid fabric
Inner helmet components	Flame-resistant and washable harness made of Nomex®/aramid, eco-leather sweatband with PU foam padding, polyester hair net
Visors (optionally available)	2 mm Polyphenylsulfon (amber), anti-scratch coating on both sides, approved according to EN 443:2008 and EN 14458:2004, or 2 mm polycarbonate (clear), approved according to EN 14458:2004
Insulation resistance	E2, E3
Radiant heat	14 kW/m <sup>2</sup>
Resistance to cold	up to -40 °C
Approvals and tests	EN 443:2008 – type A, shipping approvals according to SOLAS and MED

## Ordering Information

### Helmet – with reflective strip, edge protection and loop for safety goggles

Dräger HPS® 4500, luminescent, size H2	R 62 451
Dräger HPS® 4500, luminescent, size H3	R 62 452
Dräger HPS® 4500, white, size H2	R 62 453
Dräger HPS® 4500, white, size H3	R 62 454
Dräger HPS® 4500, red, size H2	R 62 455
Dräger HPS® 4500, red, size H3	R 62 456
Dräger HPS® 4500, black, size H2	R 62 457
Dräger HPS® 4500, black, size H3	R 62 458
Dräger HPS® 4500, fluorescent yellow, size H2	R 62 459
Dräger HPS® 4500, fluorescent yellow, size H3	R 62 460

### Accessories

Eye protection	
Visor HPS® 4500-PC AS/AS, size H2	R 62 494
Visor HPS® 4500-PC AS/AS, size H3	R 62 495
Visor HPS® 4500-PPSU AS/AS, size H2	R 62 496
Visor HPS® 4500-PPSU AS/AS, size H3	R 62 497
Visor for working on electrical equipment	R 56 187
Wire mesh visor	R 56 188
Protective goggles	R 56 076
Adapter to attach visor for working on electrical equipment and wire mesh visor	R 62 448
Protective goggles with elastic strap, fixed	R 58 563

### Neck guard

Neck guard, Nomex® short	R 56 620
Neck guard aluminium/Nomex®	R 56 622
Neck guard Nomex®, Belgian version (shell version), 4 layers	R 56 621
Neck guard, wool, Dutch shroud	R 56 623
Neck guard Nomex®, Dutch shroud version (shell version), 3 layers	R 58 015

## Ordering Information

Leather neck guard	R 57 405
<b>Helmet lamps</b>	
Helmet lamp Dräger PX 1 LED	R 62 350
Helmet lamp Dräger PX 2 LED	R 62 352
Helmet lamp holder Parasnap® for lamp PX1	R 62 355
Helmet lamp holder for Parasnap® lamp PX 2	R 62 357
Parasnap® left helmet attachment for helmet lamp holder for PX 1 and PX 2 lamps	R 62 353
Parasnap® right helmet attachment for helmet lamp holder for PX 1 and PX 2 lamps	R 62 354
<b>Additional accessories</b>	
Ear muffs	R 56 186
Adapter ring to adapt a Dräger communication system	R 56 828
Helmet carrying bag for transport and storage of up to two helmets and accessories	R 58 555
Helmet bag	R 79 282
Paint repair kit for all above-mentioned helmet colours	upon request



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



**UK Office**

**Keison Products,**

**P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.**

**Tel: +44 (0)330 088 0560**

**Fax: +44 (0)1245 808399**

**Email: [sales@keison.co.uk](mailto:sales@keison.co.uk)**

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.