

## Dräger HPS 4300 Firefighter's helmet

Dräger HPS 4300 – a firefighter's helmet in a class of its own. Optimum protection even at extreme temperatures. Convincing wearing comfort and a good climate inside the helmet. An extensive range of accessories is available to complete the head-protection system.



D-3396-2010

- Maximum protection against penetration or impact
- Helmet made of high-temperature-resistant Aramid-Duroplastic
- Visor made of high-temperature-resistant polysulfone material
- Modern interior design with 4-point harness and continuously adjustment to suit individual head sizes
- Currently one of the lightest helmets in accordance with EN 443:2008 – Type A.

### DEVELOPED WITH OUR CUSTOMERS

We developed the Dräger HPS 4300 firefighter's helmet in close cooperation with our customers. The half-shell helmet Dräger HPS 4300 has been specially designed to meet the requirements of the new standard EN 443:2008 - Type A and is currently one of the lightest helmets of its class in accordance with this standard.

### FLAME-RESISTANT, ROBUST HELMET SHELL

The shape of the helmet shell is based on the latest generation of the NATO helmet. It is made of the high temperature-resistant material Duroplastic – additionally reinforced by state-of-the-art aramid fabric – withstands intense heat from open flames or radiant sources. Thus, the helmet offers maximum protection against penetration as well impact even under the influ-

ence of extreme heat. The helmet shell is pressed using the SMC process, then provided with an optimized, particularly durable paint coating – a process that also assures inherent fire protection. As a result, the Dräger HPS 4300 is virtually unbeatable in terms of robustness and paint-bonding.

### TEMPERATURE-RESISTANT ANTI-SCRATCH VISOR

The visor for the Dräger HPS 4300 – made of highly thermally stable polysulfone material – comes down to the chin area, thus protecting the entire face (approved as "face guard" in accordance with EN 14458). The amber-tinted visor is equipped with an anti-scratch coating on both sides and is available with or without gold coating for applications with high infrared (IR) radiation.



D-15694-2009



D-15749-2009

XL special rotating wheel



D-15715-2009

**HPS 4300**  
with attached  
communication headset

### USER-OPTIMIZED WEARING COMFORT AND GOOD CLIMATE

The convincing wearing comfort offered by the Dräger HPS 4300 is achieved through the modern, comfortable interior design and the innovative 4-point harness. The special rotating wheel allows a simple and continuous adjustment of the helmet interior during operation to fit the individual head size using just one hand. The harness can be individually adjusted in the neck area using clamping buckles and in the

temple area using a simple draw system. The integrated hair net is used for height adjustment and also ensures a good climate inside the helmet. The harness is made of fire-resistant, washable Nomex/Aramid textile, while the sweatband is made of washable, eco-leather.

### WIDE RANGE OF ACCESSORIES

The wide range of accessories supports optimal adjustment of the helmet to suit the diverse and specific applications faced

by the fire service. Various varieties of neck protectors are available, with regard to design and material, offering optimal protection against mechanical and thermal stress in the neck/throat region. The accessories are rounded off by a large selection of different visors, helmet lamps and communication systems, which can be adapted to the Dräger HPS 4300.

## DRÄGER HPS 4300

### OUTER SHELL

Made of temperature-resistant Duroplastic, reinforced with aramid fabric

### REFLECTIVE STRIPE

Silver, reflective stripe around the helmet – made of flame-resistant material (only with the comfort version)

### VISOR ADAPTION PIN

Adaption point for visors and lamp holder

### EDGE PROTECTION

Rubber edge made of fire-resistant material (only with the comfort version)

### HEADBAND

Easily exchangeable and washable

### INTERIOR DESIGN

Washable Nomex material, flame-resistant

### GOGGLES LOOP

For adaption of protective goggles (only with the comfort version)

### VISOR

Anti-scratch coating, amber-tinted, available with/without gold coating

### FASTENING SYSTEM

Special heat-resistant, ergonomic buckle

### HARNES

4-point harness made of flame-resistant Nomex/Aramid textile, with flexible chin loop

### SPECIAL ADJUSTING WHEEL

Easy adjustment for fitting individual head-sizes



ACCESSORIES

NECK PROTECTION | LAMP | LAMP HOLDER






A plug-in system allows any neck protector from Dräger to be attached quickly.

Dräger lamps are exceptionally bright, particularly lightweight and robust.






<p>ST-13375-2008</p>  <p><b>Nomex/ Aluminum</b> Aluminized with reverse side made of Nomex III <b>R 56 622</b></p>	<p>ST-13374-2008</p>  <p><b>Nomex/ Belgium version</b> Four-layer, high-quality Nomex/Aramid fabric, anti-static, specifically for inside attack, resistant to many acids and bases <b>R 56 621</b></p>	<p>ST-13376-2008</p>  <p><b>Wool</b> Long (type: Dutch type), 100% wool, oil and water-repellent, flame-retardant, lower edge stitched with Nomex III <b>R 56 623</b></p>	<p>D-1131-2010</p>  <p><b>Lamp Dräger PX1 Xenon</b> Robust, high-temperature-resistant lamp with Ex-approval <b>R 57 816</b></p>	<p>D-1131-2010</p>  <p><b>Lamp Dräger PX1 LED</b> Robust, high-temperature-resistant lamp with Ex-approval, long lifetime due to LED-technology <b>R 57 815</b></p>	<p>ST-13360-2008</p>  <p><b>Lamp holder HPS 4300</b> Made of high temperature-resistant plastic <b>R 57 406</b></p>
<p>ST-13373-2008</p>  <p><b>Nomex</b> Short and tight, Nomex with fluorocarbon <b>R 56 620</b></p>	<p>D-12269-2009</p>  <p><b>Leather</b> Good mechanical protection against embers, ash, etc. <b>R 57 405</b></p>	<p>D-16175-2010</p>  <p><b>Nomex Holland-version</b> Three-layer highquality Nomex fabric <b>R 58 015</b></p>			

EYE PROTECTION: VISORS AND PROTECTIVE GOGGLES

Different, easily adaptable visors made of polycarbonate (PC) and polysulfone (PPSU) are available. They are available in two sizes, with "clear", "gold metalized" and "anti-scratch" (AS) coatings.

<p>D-15750-2009</p>  <p><b>PPSU (polysulfone) visors</b> approved in accordance with EN 14458, in combination with HPS 4300 approved in accordance with EN 443:2008 Clear, Size H2 AS/AS <b>R 57 396</b> Clear, Size H3 AS/AS <b>R 57 397</b> Gold, Size H2 AS/AS <b>R 57 400</b> Gold, Size H3 AS/AS <b>R 57 401</b></p>	<p>D-15752-2009</p>  <p><b>PC (polycarbonate) visors,</b> approved in accordance with EN 166 and in combination with HPS 4300 for technical rescues in accordance with EN 443:2008 Clear, Size H2 AS/AS <b>R 57 390</b> Clear, Size H3 AS/AS <b>R 57 391</b> Gold, Size H2 AS/AS <b>R 57 394</b> Gold, Size H3 AS/AS <b>R 57 395</b></p>	<p>ST-13367-2008</p>  <p><b>Metal mesh visor</b> To protect the eyes against flying shavings, e.g. when working with wood, approved in accordance with EN 1731 <b>R 56 188</b></p> <p><b>Visor adaptor</b> Required for attaching metal mesh and electro visor <b>R 57 408</b></p>	<p>ST-13366-2008</p>  <p><b>Electro visor</b> To protect eyes against electric arcs when working in electric installations carrying heavy currents, approved in accordance with EN 166 <b>R 56 187</b></p>	<p>ST-13362-2008</p>  <p><b>Protective goggles</b> Black body, visor made from 2 mm polycarbonate, anti-scratch and anti-fog coating. Optical class 2 and ballistic protection class 2, approved in accordance with EN 166 <b>R 56 076</b></p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

ADDITIONAL ACCESSORIES

<p>ST-13365-2008</p>  <p><b>Hearing protection – Ear muffs</b> To wear under the helmet <b>R 56 186</b></p>	<p>ST-13371-2008</p>  <p><b>Anti-fog spray</b> For all visors <b>R 56 542</b></p>	<p>ST-15132-2008</p>  <p><b>Adapter ring for Savox-Coms</b> For adapting a communication system <b>R 56 828</b></p>	<p>D-542-2009</p>  <p><b>Paint repair kits,</b> in all helmet colors (see order information for accessories)</p>	<p>D-9169-2011</p>  <p><b>Helmet bag</b> Suitable for up to two helmets and accessories <b>R 58 555</b></p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Safety goggles**  
With elastic strap in Pinlock-technology, anti-fog coating, approved in accordance with EN 166 / EN 14458  
**R 58 563**

## ORDER INFORMATION

### Basic version – Without edge protection, without reflective stripe and without goggles loop

Dräger HPS 4300 Basic, photoluminescent, size H2	R 57 360
Dräger HPS 4300 Basic, photoluminescent, size H3	R 57 361

### Comfort version – With reflective stripe, edge protection and goggles loop

Dräger HPS 4300 Comfort, photoluminescent, size H2	R 57 362
Dräger HPS 4300 Comfort, photoluminescent, size H3	R 57 363
Dräger HPS 4300 Comfort, white, size H2	R 57 364
Dräger HPS 4300 Comfort, white, size H3	R 57 366
Dräger HPS 4300 Comfort, black, size H2	R 57 369
Dräger HPS 4300 Comfort, black, size H3	R 57 370
Dräger HPS 4300 Comfort, red, size H2	R 57 367
Dräger HPS 4300 Comfort, red, size H3	R 57 368
Dräger HPS 4300 Comfort, bright yellow, size H2	R 57 380
Dräger HPS 4300 Comfort, bright yellow, size H3	R 57 381
<b>Additional versions – Dräger HPS 4300, available on request (modular assembly)</b>	<b>R 57 387</b>

### Paint repair kits

Color, photoluminescent	R 56 559
Color, pure white (RAL 9010)	R 56 539
Color, red (RAL 3000)	R 56 549
Color, black (RAL 9005)	R 56 589
Color, bright yellow (RAL 1026)	R 56 531
Color, zinc yellow (RAL 1018)	R 56 579

## TECHNICAL DATA

### Dräger HPS 4300

Size:	H2: 48 to 61, H3: 56 to 64, continuously adjustable
Weight:	H2: approx. 950g, H3: approx. 1050g
Outer shell:	GFK = glass fiber reinforced duroplastic, high temperature-resistant, specially SMC pressed, reinforced with aramid fabric
Interior design:	Flame-resistant and washable harness made of Nomex/Aramid, sweatband made of "eco-leather" with padding made of PU foam, hairnet made of polyester
Visors (optional selections):	2 mm polysulfone (amber-tinted), anti-scratch coating on both sides, approved in accordance with EN 443:2008 and EN 14458, with and without gold coating against high IR radiation or 2 mm polycarbonate (clear), various coatings, approved in accordance with EN 166
Thermal resistance:	E2, E3
Radiant heat:	14 kW/m <sup>2</sup>
Cold resistance:	up to -40°C
Approvals and tests:	EN 443:2008 - Type A, shipping approvals in accordance with SOLAS and MED
Variants:	Comfort: with edge protection, reflective stripe and goggles loop, Basic: without edge protection, reflective stripe and goggles loop

### HEADQUARTERS

Dräger Safety AG & Co. KGaA  
Revalstrasse 1  
23560 Lübeck, Germany  
[www.draeger.com](http://www.draeger.com)

### SUBSIDIARIES

#### AUSTRALIA

Draeger Safety Pacific Pty. Ltd.  
Acess Corporate Park  
Unit 99, 45 Gilby Road  
Mt. Waverley Vic 3149  
Tel +61 3 92 65 50 00  
Fax +61 3 92 65 50 95

#### CANADA

Draeger Safety Canada Ltd.  
7555 Danbro Crescent  
Mississauga, Ontario L5N 6P9  
Tel +1 905 821 8988  
Fax +1 905 821 2565

#### P. R. CHINA

Beijing Fortune Draeger Safety  
Equipment Co., Ltd.  
A22 Yu An Rd, B Area,  
Tianzhu Airport Industrial Zone,  
Shunyi District, Beijing 101300  
Tel +86 10 80 49 80 00  
Fax +86 10 80 49 80 05

### FRANCE

Dräger Safety France SAS  
3c route de la Fédération,  
BP 80141  
67025 Strasbourg Cedex 1  
Tel +33 3 88 40 59 29  
Fax +33 3 88 40 76 67

### MEXICO

Draeger Safety S.A. de C.V.  
Av. Peñuelas No. 5 Bodega No. 37  
Fraccionamiento Industrial  
San Pedrito  
Querétaro, Qro México  
Tel +52 442 246-1113  
Fax +52 442 246-1114

### NETHERLANDS

Dräger Safety Nederland B.V.  
Edisonstraat 53  
2700 AH Zoetermeer  
Tel +31 79 344 46 66  
Fax +31 79 344 47 90

### REP. OF SOUTH AFRICA

Dräger South Africa (Pty) Ltd.  
P.O.Box 68601  
Bryanston 2021  
Tel +27 11 465 99 59  
Fax +27 11 465 69 53

### SINGAPORE

Draeger Safety Asia Pte Ltd  
67 Ayer Rajah Crescent  
#06-03  
Singapore 139950  
Tel +65 68 72 92 88  
Fax +65 65 12 19 08

### SPAIN

Dräger Safety Hispania S.A.  
Calle Xaudaró 5  
28034 Madrid  
Tel +34 91 728 34 00  
Fax +34 91 729 48 99

### UNITED KINGDOM

Draeger Safety UK Ltd.  
Blyth Riverside Business Park  
Blyth, Northumberland  
NE24 4RG  
Tel +44 1670 352-891  
Fax +44 1670 356-266

### USA

Draeger Safety, Inc.  
101 Technology Drive  
Pittsburgh, PA 15275  
Tel +1 412 787 8383  
Fax +1 412 787 2207