

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.



DW-4-2009

- 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 THE LIGHTEST HELMET IN ACCORDANCE WITH EN 443:2008 - TYPE A



D-15604-2009

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 the lightest helmet 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-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

HARNESS

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



ACCESSORIES

NECK PROTECTION | LAMP | LAMP HOLDER

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



ST-13375-2008

**Nomex/
Aluminum**
Aluminized with
reverse side made
of Nomex III
R 56 622



ST-13374-2008

**Nomex/
Belgium version**
Triple-layer, high-
quality Nomex/Aramid
fabric, anti-static,
specifically for inside
attack, resistant to
many acids and
bases
R 56 621



ST-13376-2008

Wool
Long (type: Dutch
type), 100% wool,
oil and water-repellent,
flame-retardant, lower
edge stitched with
Nomex III
R 56 623



ST-13373-2008

Nomex
Short and tight,
Nomex with
fluorocarbon
R 56 620



D-12259-2009

Leather
Good mechanical
protection against
embers, ash, etc.
R 57 405



ST-13357-2008

Lamp UK 4AA-ES1
Helmet lamp with
highest possible
EX-protection class
R 56 109



ST-13378-2008

Lamp UK 4 LED
High power lamp
with new LED
technology
R 56 724



ST-13360-2008

**Lamp holder
HPS 4300**
Made of high
temperature-
resistant plastic
R 57 406

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.



D-15750-2009

PPSU (polysulfone) visors
approved in accordance with
EN 443:2008 and EN 14458
Clear, Size H2 AS/AS **R 57 396**
Clear, Size H3 AS/AS **R 57 397**
Gold, Size H2 AS/AS **R 57 400**
Gold, Size H3 AS/AS **R 57 401**



D-15752-2009

PC (polycarbonate) visors,
approved in accordance
with EN 166
Clear, Size H2 AS/AS **R 57 390**
Clear, Size H3 AS/AS **R 57 391**
Gold, Size H2 AS/AS **R 57 394**
Gold, Size H3 AS/AS **R 57 395**



ST-13367-2008

Metal mesh visor
To protect the eyes
against flying shavings,
e.g. when working
with wood
R 56 188
Visor adaptor
Required for
attaching metal mesh
and electro visor
R 57 408



ST-13366-2008

Electro visor
To protect eyes
against electric arcs
when working in
electric installations
carrying heavy
currents
R 56 187



ST-13352-2008

Protective goggles
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
R 56 076

ADDITIONAL ACCESSORIES



ST-13365-2008

**Hearing protection –
Ear muffs**
To wear under
the helmet
R 56 186



ST-13371-2008

Anti-fog spray
For all visors
R 56 542



ST-15132-2008

**Adapter ring for
Savox-Coms**
For adapting a
communication
system
R 56 828



D-544-2009

Paint repair kits,
in all helmet colors
(see order information
for accessories)

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

Additional version – Dräger HPS 4300, available on request (modular assembly)

R 57 387

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

TECHNICAL DATA

Dräger HPS 4300

Size:	H2: 48 to 61, H3: 56 to 64, continuously adjustable
Weight:	H2: approx. 800g, H3: approx. 930g
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 ²
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

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