

## Dräger HPS® 7000 Head Protection

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.



# Dräger HPS® 7000



## Benefits

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### Tailor-made fit for every head

To meet this requirement, Dräger developed the HPS 7000 in close cooperation with customers worldwide. Two helmet shells for head sizes from 50 to 66 cm cover a wide range of individual head and face shapes. With a weight of approx. 1,380 g in the basic version, it is one of the lightest helmets in its class. In addition to its comfortable interior fitting made of skin-friendly, anti-allergic and flexible materials, the Dräger HPS 7000 stands out with its high level of operating and wearing comfort.

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### Comfort is a matter of position

The padded 4-point harness allows for safe and easy adjustment to any head shape. The optimum balance of the helmet can be adjusted individually in the neck and chin area. The padding made of Nomex® also ensures a comfortable fit. The integrated comfort hairnet enables the height to be adjusted and assures a good climate inside the helmet. During operation, the head size can be adjusted quickly via an easy-to-operate size-adjustment wheel with a safety mechanism on the outer shell, even with wet and thick gloves.

Nomex® is a registered trademark of the company DuPont.

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### Design at its strongest

The ergonomic helmet design evenly distributes the weight to the head and relieves the neck muscles. The large and modern facial protection visor offers unrestricted protection with best visibility. For operations under chemical protective suits, the visor can be fixed permanently. A safe alternative is provided by the integrated and individually adjustable protective goggles with an integrated soft-pad edge protection. Both visors leave enough space for the simultaneous use of corrective glasses or respiratory masks. A firefighter's helmet is more than a mere piece of equipment – it serves as a personal distinguishing feature. Therefore, you can configure the helmet according to your wishes: select from a variety of colours and also pick an individual emblem for your front plate.

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### Innovative system design

As a provider of integrated system solutions, Dräger sets new standards for the interaction of its products. The universally and individually adjustable mask connection system of the Dräger HPS 7000 creates a strong and safe helmet-mask combination. The full-face mask FPS 7000, the integrated mask communication units Dräger FPS-COM 5000 or FPS-COM 7000 and the SCBA of the PSS series allow you to optimally configure the overall system. The lightweight LED helmet lamp is integrated into the helmet shell and illuminates the whole working area. It is located in the centre of the front plate and has an effective glare shield as well as an intelligent battery management system. The interior fitting can be equipped with various audio/speech headsets for different radios. This ensures reliable communication even in loud environments.

## Benefits

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### Highest safety – the material mix makes the difference

Despite its low weight, the Dräger HPS 7000 is one of the safest full-shell helmets in its class. Its outer shell of composite material in combination with the PUR inner shell provides reliable protection against thermal and mechanical influences. The plastic reinforced with fibreglass and aramid webbing resists extreme temperatures. It is even able to withstand the enormous radiation caused by the heat and flame engulfment of a flash over. The visors, made of high-temperature-resistant polyether sulphone, reliably protect your eyes and face against high heat, particles and liquid chemicals.

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### Nothing left to be desired

A comprehensive accessory programme completes the Dräger package. Reflective stripes improve your visibility under unfavourable conditions and allow for individual marking. Matched to your clothing, the various neck-protection versions reliably keep your back free. Separate helmet lamps are attached with a lamp adapter on the right or left helmet side. A Nomex® fabric protects your helmet in any training situation and extends its service life. Helmet bags and cases provide safe storage and transport.

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### Ready again in no time at all

The Dräger HPS 7000 is easy and efficient to service, thanks to the minimum number of components. The entire interior fitting can be removed and reinstalled in just a few steps. You can replace individual components easily and quickly using standard tools. All helmet components are cleaned and disinfected manually or in an industrial washing machine.

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### Outstanding design

The firefighter's helmet Dräger HPS 7000 has been awarded three major design awards:

- Red dot design award 2013
- IF product design award 2014
- German Design Award Special Mention 2015.

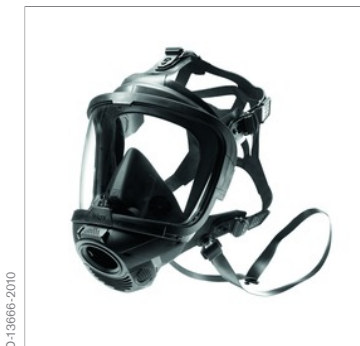
The awards count among the most important national and international design competitions and not only rate design quality, but also aspects such as safety, ergonomics, functionality, degree of innovation and environmental compatibility.

The red dot jury based its decision on: "The notably light Dräger HPS 7000 firefighter helmet can be customised to comfortably fit any head size and guarantees enhanced safety."

## Awards



## System Components



### Dräger FPS® 7000

The Dräger FPS® 7000 full-face mask series sets new standards in terms of safety and wearing comfort. Thanks to its enhanced ergonomics and the availability of multiple sizes, it offers a large, optimized field of vision and a very comfortable, secure fit.



### Dräger FPS®-COM 5000

Because there is no time for misunderstandings in an emergency: The Dräger FPS®-COM 5000 communication unit has been specifically developed for the full-face mask Dräger FPS® 7000 and ensures clear communication through a voice amplifier unit or radio device – even under extreme conditions.

## Accessories



D-56197-2012

### Facial Protection Visor PESU for Dräger HPS® 7000

The integrated, large and ergonomic facial protection visor made of high-temperature-resistant polyethersulfone protects you safely from extreme heat, particles and liquid chemicals. It also offers the best visibility. It is made to fit a wide range of individual face sizes and shapes, including the wearing of corrective spectacles. The visor is available in different versions: clear, clear/anti-scratch coating, gold-plated (protection against heat radiation) or anti-fog coating.



D-56198-2012

### Protective goggles for Dräger HPS® 7000

The protective goggles are operated from the outside by two levers (suitable for both left- and right-handed use) and have a 2-position setting for adjustment to individual face sizes and shapes including the use of corrective spectacles. The integrated soft-pad edge protection ensures a comfortable fit. The protective goggles are available in different versions: clear (PESU), clear/anti-scratch coating (PESU) and tinted (as a glare protection, PC) exclusively for the Dräger HPS® 7000 PRO.



D-46870-2015

### Neck protection for Dräger HPS® 7000

The various neck protection versions can be quickly and securely mounted via a plug-in system with four snap fasteners. These are available as optional accessories in 3 designs:

- short, close-fitting Nomex version with integrated fold
- Alu-Nomex® longer version, with robust aluminium coating
- Holland cloth version made of a 3-layer, high-quality Nomex®/aramid fabric, resistant to many acids and alkalis



D-56209-2012

### Helmet lamp LED for Dräger HPS® 7000

The light-weight LED helmet lamp is integrated into the helmet shell and illuminates the whole working area. It is located in the centre of the front plate and has an effective glare shield. The 3W high-performance LED has three modes and two lighting levels (bright, dimmed, off). A function and battery test is integrated and the battery status is displayed during use.

## Accessories



D-1131-2010

### Lamp Dräger PX1 LED

High-performance lamp with new LED technology. The lamp can be attached on the left and/or the right side of the helmet.

## 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.



D-37163-2015

### Dräger HPS® 4500

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.

## Technical Data

### Dräger HPS® 7000

Size	Two helmet shell sizes, H1: for head size 52 to 60 and optional for 50/51 (when using a separate padding strip), H2: for head size 56 to 64/66, continuously adjustable via adjustment wheel
Weight	HPS® 7000 Basic-H1: ca. 1,380 g (±5 %) HPS® 7000 Basic-H2: 1,680 g (±5 %) HPS® 7000 Standard-H1: ca. 1,480 g (±5 %) HPS® 7000 Standard-H2: 1,780 g (±5 %) HPS® 7000 PRO-H1: ca. 1,580 g (±5 %) HPS® 7000 PRO-H2: 1,880 g (±5 %)
Material, outer shell	Composite consisting of fibreglass-reinforced plastic (PA-GF) and additionally reinforced with aramid webbing, high-temperature-resistant
Colours	See Ordering Information
Mask connection (only for PRO version)	Option to attach any adapter mask, e.g. Dräger FPS® 7000, adjustable to four positions
Interior fitting	Flame-resistant and washable 4-point harness made of Nomex®, sweat band of eco-leather, head support ring with wheel-adjustment system (patent pending), integrated comfort hairnet, fixing lever for facial protection visor and communication adapter
Facial protection visor	2.5 mm polyether sulphone, anti-scratch coated, approved acc. to EN 14458:2004 with the options -40 °C, T, K, N, Ω, UV 2–4, IR 4–4 depending on versions: clear, clear with anti-scratch coating, clear with anti-fog coating or gold-coated
Protective goggles (only for PRO version)	Variant clear or clear with anti-scratch coating: 2.5 mm polyether sulphone with softpad edge protection, approved acc. to EN 14458:2004 with the options -40 °C, T, K, Ω depending on version, adjustable to two positions Variant tinted: 2,5 polycarbonate with softpad edge protection, grey tinted with 60 % absorption, approved acc. to EN 166:2001, ultraviolet filter 2C-2, sun glare filter 5.2, optical class 1, strength class BT (120 m/s), adjustable to two positions
Approvals, helmet	EN 443:2008 (type B 3b, C, E2, E3, -40 °C), mask-helmet combination acc. to DIN 58610
<b>Helmet lamp HPS® 7000</b>	
Material	Fibreglass-reinforced plastic (PA-GF), high-temperature-resistant
Total dimension	Approx. 55 mm wide x 43 mm high x 105 mm long
Weight	With batteries: approx. 125 g, without batteries: approx. 80 g
Light technology	Power LED, lighting level 1: approx. 43 lm, lighting level 2: approx. 25 lm
Power supply	2 AA/LR6/MN1500 alkaline batteries, intelligent battery-management system
Usage time	Lighting level 1: approx. 5 hours Lighting level 2: approx. 11 hours
Protection class	IP 67
Approval HPS® 7000 helmet lamp	IECEx: Ex ib IIC T4/T3 Gb ATEX: II 2G Ex ib IIC T4/T3 Gb



## Technical Data

Variants	Dräger HPS® 7000 Basic	Dräger HPS® 7000 Standard	Dräger HPS® 7000 PRO
Helmet shell in different colours	yes	yes	yes
Front plate	matt-black	matt-black	matt-black, matt-black with Dräger fire fighter logo or with colour of the helmet shell and Dräger fire fighter logo
Reflective stripes	no	no	yes (no with front plate in matt-black)
Integrated facial protection visor (clear)	yes	yes	yes
Integrated protective goggles	no	no	yes
Possibility of using Helmet-mask combination	no	yes	yes
Connection of integrated HPS® 7000 helmet lamp optional upgradable	yes	yes	yes
Optional connection of external helmet lamp	no	yes	yes

## Ordering Information

Dräger HPS® 7000 Basic, with matt-black front plate	RAL	Order No. H1	Order No. H2
Dräger HPS® 7000 Basic luminescent	–	R 79 170	R 79 400
Dräger HPS® 7000 Basic white	9010	R 79 171	R 79 401
Dräger HPS® 7000 Basic red	3000	R 79 172	R 79 402
Dräger HPS® 7000 Basic bright yellow	1026	R 79 173	R 79 403
Dräger HPS® 7000 Basic zinc yellow	1018	R 79 174	R 79 404
Dräger HPS® 7000 Basic bright orange	2005	R 79 175	R 79 405
Dräger HPS® 7000 Basic signal blue	5005	R 79 176	R 79 406
Dräger HPS® 7000 Basic black	9005	R 79 177	R 79 407
Dräger HPS® 7000 Basic white aluminium	9006	R 79 178	R 79 408
Dräger HPS® 7000 Basic chrome	–	R 79 179	R 79 409
Dräger HPS® 7000 Standard, with matt-black front plate	RAL	Order No. H1	Order No. H2
Dräger HPS® 7000 Standard luminescent	–	R 79 364	R 79 365
Dräger HPS® 7000 Standard white	9010	R 79 366	R 79 367

## Ordering Information

Dräger HPS® 7000 Standard red	3000	R 79 368	R 79 369
Dräger HPS® 7000 Standard bright yellow	1026	R 79 353	R 79 393
Dräger HPS® 7000 Standard zinc yellow	1018	R 79 354	R 79 394
Dräger HPS® 7000 Standard bright orange	2005	R 79 355	R 79 395
Dräger HPS® 7000 Standard signal blue	5005	R 79 356	R 79 396
Dräger HPS® 7000 Standard black	9005	R 79 357	R 79 397
Dräger HPS® 7000 Standard white aluminium	9006	R 79 358	R 79 398
Dräger HPS® 7000 Standard chrome	–	R 79 359	R 79 399
<b>Dräger HPS® 7000 PRO, with helmet shell and front plate in same colour</b>	<b>RAL</b>	<b>Order No. H1</b>	<b>Order No. H2</b>
Dräger HPS® 7000 PRO luminescent	–	R 79 180	R 79 410
Dräger HPS® 7000 PRO white	9010	R 79 181	R 79 411
Dräger HPS® 7000 PRO red	3000	R 79 182	R 79 412
Dräger HPS® 7000 PRO bright yellow	1026	R 79 183	R 79 413
Dräger HPS® 7000 PRO zinc yellow	1018	R 79 184	R 79 414
Dräger HPS® 7000 PRO bright orange	2005	R 79 185	R 79 415
Dräger HPS® 7000 PRO signal blue	5005	R 79 186	R 79 416
Dräger HPS® 7000 PRO black	9005	R 79 187	R 79 417
Dräger HPS® 7000 PRO white aluminium	9006	R 79 188	R 79 418
Dräger HPS® 7000 PRO chrome	–	R 79 189	R 79 419
<b>Dräger HPS® 7000 PRO, with matt-black front plate</b>	<b>RAL</b>	<b>Order No. H1</b>	<b>Order No. H2</b>
Dräger HPS® 7000 PRO luminescent	–	R 79 250	R 79 420
Dräger HPS® 7000 PRO white	9010	R 79 251	R 79 421
Dräger HPS® 7000 PRO red	3000	R 79 252	R 79 422
Dräger HPS® 7000 PRO bright yellow	1026	R 79 253	R 79 423
Dräger HPS® 7000 PRO zinc yellow	1018	R 79 254	R 79 424
Dräger HPS® 7000 PRO bright orange	2005	R 79 255	R 79 425
Dräger HPS® 7000 PRO signal blue	5005	R 79 256	R 79 426

## Ordering Information

Dräger HPS® 7000 PRO black	9005	R 79 257	R 79 427
Dräger HPS® 7000 PRO white aluminium	9006	R 79 258	R 79 428
Dräger HPS® 7000 PRO chrome	–	R 79 259	R 79 429
Further versions of the Dräger HPS® 7000 PRO are available on request, via modular system number	–	R 79 190	R 79 390
<b>Accessories / Spare parts</b>			
Neck protection Nomex®, aluminium		R 79 145	R 79 145
Neck protection Nomex®, short		R 79 146	R 79 146
Neck protection Nomex®, Dutch version, three-layer		R 79 147	R 79 147
HPS® 7000 helmet lamp LED, integrated		R 79 013	R 79 013
To attach the integrated LED helmet lamp, order separately: kit front plate for HPS® 7000 helmet lamp		R 79 226	R 79 226
Lamp holder HPS® 7000 (for helmet lamps Dräger PX 1)		R 79 129	R 79 129
Lamp holder for Adaro helmet lamp		R 79 493	R 79 493
Helmet lamp Dräger PX 1 LED		R 62 350	R 62 350
HPS® 7000 facial protection PESU, clear		R 79 239	R 79 463
HPS® 7000 facial protection PESU AS (anti-scratch coated), clear		R 79 260	R 79 464
HPS® 7000 facial protection PESU, gold		R 79 262	R 79 465
HPS® 7000 facial protection PESU/AF, (anti-fog)		R 79 324	R 79 339
HPS® 7000 eye protection PESU, clear		R 79 231	R 79 460
HPS® 7000 eye protection PESU AS (anti-scratch coated), clear		R 79 267	R 79 461
HPS® 7000 eye protection PC, tinted		R 79 270	R 79 444 (in preparation)
Reflective stripes, back	silver	R 79 284	R 79 466
	red	R 79 141	R 79 467
	yellow	R 79 142	R 79 468
	blue	R 79 143	R 79 469
	orange	R 79 169	R 79 470
Reflective stripes, service grade		R 79 006	R 79 006
HPS® 7000 head pad for size 50/51		R 79 277	
Helmet carrying bag for transport and storage, large		R 58 555	R 58 555
Helmet carrying bag for transport and storage, small		R 68 555	R 68 555
HPS® 7000 helmet pouch (for training purpose)		R 79 282	R 79 282
HPS® 7000 Helmet protection cover		R 79 279	R 79 279
Washing bag		65 700 03	65 700 03

## Notes

Dräger Marine & Offshore  
Beurtschipperstraat 1  
3194 DK Hoogvliet  
+31 (0)10 295 2740  
sales-mo.sd.nl@draeger.com  
www.draeger-mo.com



**CORPORATE HEADQUARTERS**  
Drägerwerk AG & Co. KGaA  
Moislinger Allee 53–55  
23558 Lübeck, Germany  
www.draeger.com

**REGION EUROPE CENTRAL  
AND EUROPE NORTH**  
Dräger Safety AG & Co. KGaA  
Revalstraße 1  
23560 Lübeck, Germany  
Tel +49 451 882 0  
Fax +49 451 882 2080  
info@draeger.com

**REGION EUROPE SOUTH**  
Dräger Safety France SAS  
25, rue Georges Besse  
92182 Antony Cedex  
Tel +33 1 46 11 56 00  
Fax +33 1 40 96 97 20  
europe.south@draeger.com

**REGION MIDDLE EAST, AFRICA**  
Dräger Safety AG & Co. KGaA  
Branch Office  
P.O. Box 505108  
Dubai, United Arab Emirates  
Tel +971 4 4294 600  
Fax +971 4 4294 699  
contactuae@draeger.com

**REGION ASIA PACIFIC**  
Draeger Safety Asia Pte Ltd  
25 International Business Park  
#04-20/21 German Centre  
Singapore 609916  
Tel +65 6308 9400  
Fax +65 6308 9401  
asia.pacific@draeger.com

**REGION CENTRAL  
AND SOUTH AMERICA**  
Dräger Panama S. de R.L.  
Complejo Business Park,  
V tower, 10th floor  
Panama City  
Tel +507 377 9100  
Fax +507 377 9130  
contactcsa@draeger.com

Locate your Regional Sales  
Representative at:  
www.draeger.com/contact

