



# Dräger HPS SafeGuard Fire and rescue helmet

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The Dräger HPS SafeGuard is the extremely lightweight universal helmet for fire and rescue services. Its innovative design combines optimal protection with the highest levels of wearing comfort. Its sporty look, light weight and tailor-made accessories make the helmet a real all-rounder for any challenge.

# Dräger HPS SafeGuard



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**Face guard**  
Integrated, multi-coated,  
optical class 1 in different  
versions

**Eye guard (optional)**  
Integrated, multi-coated,  
optical class 1 in  
different versions

**Harness**  
Comes with adjustable chin and  
neck straps in different designs



**HPS BuddyLight (optional)**  
3-colour LED with  
different modes

**Reflective strips (optional)**  
Various configurations  
available

**Adjustment wheel**  
Head size adjustment  
from outside

**Neck guard connection**  
Various neck guard versions possible

# Benefits

## USABILITY

### **Optimal wearing comfort**

Weighing just around 1.25 kg in its basic configuration, the Dräger HPS SafeGuard is one of the lightest helmets in its class. Its innovative design also ensures optimal weight distribution of the fire and rescue helmet. These two factors combined offer you the best possible wearing comfort and the perfect fit for all types of movement – even when crawling. The helmet is characterised by its advantageous weight distribution and the excellent climate characteristics: The excellent thermal insulation helps to protect you when fighting fires, while guaranteeing a balanced climate inside the helmet even during longer rescue missions without respiratory protection. Lots of benefits, all confirmed in external scientific studies.

### **Ready for every challenge**

The multifunctional and sporty design of this compact helmet offers you exceptional protection, without limiting your movements or perception: vital senses such as sight, hearing and sensitivity to heat are not impaired, while at the same time all essential parts of the head are protected. A combination of aesthetic and functional elements makes the helmet attractive as well as safe. Examples include the integration of the lighting and communication systems, and the numerous configuration options and customisation markings available for each helmet. These make it easy to visually identify the role and function of each person.

### **Quick and easy helmet adjustment**

One size fits all - the protective helmet covers a wide range of individual head sizes from 50 to 67 cm. You can adjust the helmet to your head size in just a few simple steps: The chin and neck strap are quick and easy to adjust. In addition, the adjustment wheel on the back of the helmet is particularly easy to access.

## SAFETY +

### **A helmet for all situations**

Thanks to its universal design and multiple certifications, you can make perfect use of the helmet for all key applications required in fire and rescue services. The special endurance testing conducted by Dräger also means that you can rely on the multifunctional helmet to consistently deliver a high degree of safety, reliability and quality. With its fully integrated, highest optical quality visors, your face and eyes are perfectly protected. Moreover, the additional multi-coating feature prevents it from fogging and scratching. A gold coating not only provides the best possible protection against radiant heat but also gives the helmet a stylish look.

### **For better visibility**

The helmet is available in a wide range of colours. For the best possible protection in conditions of poor visibility, you can also fix reflective strips in different designs all around the helmet, making it easily identifiable day or night. The HPS BuddyLight on the back of the helmet provides additional safety - it ensures that you can be immediately recognisable from behind even in conditions of poor visibility. You can use the individual lighting solutions to illuminate your immediate workspace as needed: our integrated, explosion-proof helmet lamps can be fitted at the front or side and can be handled hands-free.

# Benefits

## SERVICEABILITY

### **Lots of options – easily fitted**

For your convenience, the construction of the helmet has been streamlined to just a small number of main components, thereby simplifying the spare-parts logistics. You can easily and intuitively attach individual parts and accessories. You don't need any tools to replace the parts. All electronic accessory components can be powered using standard commercial batteries. In addition, RFID transponders and barcode technology also support your logistics processes.

### **Straightforward cleaning and maintenance**

Whether manually or mechanically - you can use any common cleaning process on this protective helmet without any problems. In addition, the simple and tool-free removal of just four component parts makes for quick and effective cleaning of some or all parts of the helmet.

## CONNECTIVITY

### **Unhindered communication**

Thanks to the helmet shell's special design, your ears remain uncovered. For you this translates to improved communication with your team, that is being able to hear and speak to them clearly. Even the perception of background noises is flawless.

### **Optional integrated communication system**

In addition, the integrated Dräger HPS-COM helmet communication unit provides reliable support for radio communication. Alongside its excellent voice quality, its stand-out features include a robust, compact design and easy installation. The new dual-mic technology is ideally suited to all operations, with or without breathing protection.

### **Optional hands-free thermal imaging camera**

The Dräger UCF FireCore\* hands-free thermal imaging camera gives you a permanent vision of your immediate surroundings, even under the toughest conditions. That allows you to orientate yourself more quickly and safely, while also improving your situational awareness.

## HPS SafeGuard functional plates

	 Functional plate >Basic<	 Functional plate >Extend<	
Option to adapt standard helmet lamps (PX series or Adaro)	X	✓	
Option for adaptation of COM plug protection	X	✓	
Option to attach an action camera	X	✓	
Option to attach a thermal imaging camera	X	✓	

HPS\_SafeGuard\_Funktionsplatten\_Infografik-en.maister

## HPS SafeGuard colour options



**Red**  
(RAL 3000)



**White Aluminium**  
(RAL 9006)



**Pure White**  
(RAL 9010)



**Black**  
(RAL 9005)



**Signal Blue**  
(RAL 5005)



**Yellow Green**  
(RAL 6018)



**Zinc yellow**  
(RAL 1018)



**Fluorescent Orange**  
(RAL 2005)



**Fluorescent Yellow**  
(RAL 1026)



**Luminescent**  
(similar to RAL 110)



**Luminescent Yellow**  
(similar to RAL 1016)

HPS-Helme-Infografik-en-master

# System Components

D-4985-2024



## Dräger FPS 7000

The Dräger FPS 7000 full face mask series is characterised by a high degree of safety and optimum wearing comfort. Thanks to its proven design and the different sizes, it offers a tight and comfortable fit. The combination of the mask shape with the geometry of the visor offers you a large field of vision.

D-1552-2022



## Dräger UCF FireCore

The Dräger UCF FireCore hands-free thermal imaging camera gives you a permanent vision of your immediate surroundings, even under the toughest conditions. That allows you to orientate yourself more quickly and safely, while also improving your situational awareness.

# Accessories



## Neck protector

- short Nomex® version with integrated fold
  - longer aluminised Nomex® version
- Dutch type cloth version made of three-layer, high-quality Nomex® fabric and an innovative, patented design

Nomex® is a registered trademark of the company DuPont. Neck protector with plug-and-click system, can be mounted quickly, securely and without tools. Optionally available in the following versions:



## Integrated helmet lamp Dräger HPS FlashLight

This optional LED helmet lamp is lightweight, explosion-proof and specially designed for use in fire fighting operation. It is integrated in the helmet design and provides comprehensive illumination of your direct working area. It is centrally positioned on the front plate and has an effective glare shield. The 3W high-performance Power LED has four modes and three lighting levels (bright, dimmed, flashing, off), and runs on two commercially available AA batteries. A function and battery test is integrated and the battery status is displayed during use.



## Standard helmet lamps Dräger PX1, PX1 SHORTY and PX2

These optional explosion-proof helmet lamps with LED technology provide optimal illumination of your extended working area. They can be attached to the right- and/or left-hand side of the helmet using a separate lamp adapter and run on commercially available batteries. Different lamp adapters are available for other standard helmet lamps.



## Dräger HPS BuddyLight rear light

This optional LED rear light serves as a warning and indicator light. It is adapted to the back side of the helmet using an adapter with a bayonet-type connector and runs on two commercially available coin cell batteries. The lamp has seven modes in three colours (blue, white and red) that are either continuously on/off or flashing.

# Accessories

D-8549-2019



## Dräger HPS-COM

The Dräger HPS-COM is a robust, easy-to-install communication unit for firefighting helmets. Thanks to the latest technology, it delivers excellent audio performance. You can choose between two different base units and four microphone options, suitable for a wide range of application scenarios.

D-31629-2020



## Face guard

The integrated, ergonomic Apec® visor offers reliable protection from extreme heat, particles and liquid chemicals. It is made to fit a wide range of individual face sizes and shapes, including those of individuals who wear corrective spectacles. The visor is an integral part of every helmet. It offers the best optical quality (optical class 1) and can be continuously swivelled up and down smoothly. The visor is available in two versions: clear and gold (R1). All versions have a permanent anti-scratch coating on the outside and an permanent anti-fog coating on the inside.

D-31628-2020



## Eye guard

This optional available, integrated Apec® eye guard can be operated easily and safely with or without fire fighting gloves thanks to two designated grip areas on the sides. It is available in two versions: clear and tinted. Both versions have an permanent anti-scratch coating on the outside and an permanent anti-fog coating on the inside.

## Related Products

D-24352-2020



### Dräger HPS 3500

The Dräger HPS 3500 is a multifunctional and universal helmet for the diverse requirements of rescue teams during search, rescue and recovery operations, forest and bush fire fighting, traffic accidents, water rescues and rescues from heights, as well as all sorts of technical assistance.

D-37163-2015



### Dräger HPS 4500

The Dräger HPS 4500 is a traditional half-shell helmet in a modern design. Its durable outer shell reliably protects you from impacts and extreme heat. An advanced visor design, ergonomic and light interior for high wearing comfort, and extensive accessories for various applications round off this versatile helmet.

D-2244-2022



### Dräger HPS 7000

The multipurpose 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

## Dräger HPS SafeGuard

Size	One-size-fits-all; can be continuously adjusted to fit head sizes 50 – 67 cm using the external adjusting wheel
Weight	HPS SafeGuard: approx. 1.250 g (+/-5%) HPS SafeGuard Extend: approx. 1.390 g (+/-5%)
Helmet shell	Helmet shell made of composite material consisting of glass-fibre reinforced plastic (PA-GF), high temperature resistant, with circumferential helmet shell end rail
Helmet shell colours	Painted versions: fluorescent yellow (RAL 1026) fluorescent orange (RAL 2005) luminescent (similar to RAL 110) luminescent yellow (similar to RAL 1016) red (RAL 3000) signal blue (RAL 5005) black (RAL 9005) pure white (RAL 9010) white aluminium (RAL 9006) zinc yellow (RAL 1018) yellow green (RAL 6018)
Customised marking and labelling	Reflective and designer strips as well as functional markings made of thermally resistant, highly flexible, long-lasting and retro-reflective Scotchlite™ series 580 reflective tape from 3M, available in different colours
Shock absorption system	Rigid foam damping element made of two-component polyurethane (PUR) reinforced with aramid fabric and in combination with textile crown straps, optionally fitted with a comfort pad
Interior design	Flame-resistant and washable three-point harness with adjustable chin and neck strap made of Nomex® (Extend version) or alternatively of Modacryl (Basic version); carrier ring and adjustment system using continuous variable gear with padding – alternatively from Nomex® knit fabrics (Extend version) or eco-leather (Basic version), optional upgradeable with HPS SafeGuard COM holder for use with a helmet communication unit (e.g. Dräger HPS-COM)
Face guard	Made of high temperature resistant Apec® material, approved in accordance with EN 14458:2018; with highest optical quality (optical class 1), continuously swivelling up and down; multiple coatings (permanent anti-fog coating inside and anti-scratch coating outside). Alternatively available in versions: <ul style="list-style-type: none"><li>• clear</li><li>• gold (with radiant heat protection level R1)</li></ul>
Eye guard (optional)	Made of high temperature resistant Apec® material, approved in accordance with EN 14458:2018, with highest optical quality (optical class 1), continuously swivelling up and down, multiple coatings (permanent anti-fog coating inside and anti-scratch coating outside). Alternatively available in versions: <ul style="list-style-type: none"><li>• clear</li><li>• tinted</li></ul>

# Technical Data

## Helmet approvals

EN 443:2008 Firefighters helmets – Helmets for fire fighting in buildings and other structures (type: A 3b, C, E2, E3, -30°C)  
EN 16471: 2014 Firefighters helmets – Helmets for forest wildland fire fighting  
EN 16473: 2014 Firefighters helmets – Helmets for technical rescue  
MED 2014/90/EU Standard for helmets for fire fighting on board ships SOLAS II-2/10.10.,  
IMO RES. MSC.327(90) International maritime resolution for helmets for fire fighting on board ships  
PPE Regulation (EU) 2016/425  
ISO 16073-5:2019 – Wildland firefighting personal protective equipment – part 5: helmets  
ISO 11999-5:2015 – PPE for firefighters while fighting fires occurring in structures – part 5: helmets  
ISO 18639-5:2018 – PPE for firefighters undertaking specific rescue activities – Part 5: Helmet

## Integrated helmet lamp HPS FlashLight

Material	Glass-fibre-reinforced plastic (PA-GF), high temperature resistant
Dimensions	Approx. 55 mm × 43 mm × 105 mm (W × H × L)
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 Lighting level 3: flashing light alternating between 43 Lm and 0 Lm
Operation time	Lighting level 1: approx. 5 hours Lighting level 2: approx. 11 hours Lighting level 3: approx. 10 hours
Energy supply	2 AA/LR6/MN1500 alkaline batteries Intelligent battery management system
Protection class	IP67
HPS FlashLight approvals	IECEX: Ex ib IIC T4/T3 Gb ATEX: II 2G Ex ib IIC T4/T3 Gb

## HPS BuddyLight rear light

Rear light material	Lower part of housing including battery cover: Co-polymer, temperature-resistant Upper part of housing: Apec®, temperature-resistant
Weight	With batteries: approx. 26 g
Dimensions	50 mm × 41 mm × 16 mm (L × W × H)
Light technology	6 LEDs Continuous light, in the following colours: • blue, red, white Flashing light, in the following colours: • blue, red, white, blue/red

# Technical Data

Operation time	Up to 10 hours in single-colour flashing mode, up to 5 hours in continuous light mode or two-colour flashing mode
Energy supply	Two CR2032 lithium coin cells
Protection class	IP54
Material adapter for HPS BuddyLight	Stanyl, temperature-resistant

# Ordering Information

	Order number
Dräger HPS SafeGuard EN with Basic harness without cheek padding in size M, with crown straps without comfort pad, with clear AS/AF face guard, interior design with Basic padding, with Basic function plates, without neck protector, without reflective strips	
Dräger HPS SafeGuard EN luminescent	3701621
Dräger HPS SafeGuard EN red	3701622
Dräger HPS SafeGuard EN fluorescent yellow	3701623
Dräger HPS SafeGuard EN white	3701624
Dräger HPS SafeGuard Extend EN with Extend harness including cheek padding in size L, with crown straps and comfort pad, with clear AS/AF face and eye guard interior design with Extend padding, with Extend function plates for adapting accessories, with short aramid Nomex® neck guard, with silver reflective strip at the back	
Dräger HPS SafeGuard Extend EN luminescent	3701625
Dräger HPS SafeGuard Extend EN red	3701626
Dräger HPS SafeGuard Extend EN fluorescent yellow	3701627
Other versions of the Dräger HPS SafeGuard EN and customer individual configurations of the helmet available via configurator part number	
Dräger HPS SafeGuard EN (configurator)	3701504

## Accessories/spare parts

### Harness

HPS SafeGuard Basic harness size M	3701650
HPS SafeGuard Basic harness size L	3701655
HPS SafeGuard Extend harness size M	3701660
HPS SafeGuard Extend harness size L	3701665

### Crown straps/ Comfort pad

HPS SafeGuard crown straps	3701676
HPS SafeGuard Comfort pad	3701550

### Neck protector

HPS SafeGuard Nomex® neck guard protector, short	3701707
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# Ordering Information

HPS SafeGuard Nomex®/ aluminised neck guard protector	3701708
HPS SafeGuard Nomex® Holland Dutch type cloth neck protector	3701709
<b>Face and eye protection</b>	
HPS SafeGuard face guard, clear AS/AF	3701542
HPS SafeGuard face guard, Gold-R1 AS/AF	3701543
HPS SafeGuard eye guard, clear AS/AF	3701546
HPS SafeGuard eye guard, tinted AS/AF	3701547
<b>Lighting solutions and adapters</b>	
Dräger HPS FlashLight	R79013
Dräger PX1 helmet lamp	R62350
Dräger PX1 SHORTY helmet lamp	3701450
Dräger PX2 helmet lamp	R62352
Lamp holder for PX1 series helmet lamps	R79129
PARASNAP® Basic lamp holder, helmet base unit	3720149
PARASNAP® lamp holder, PX1 series (for large lamps)	R62355
PARASNAP® lamp holder, PX2 series (for small lamps)	R62357
Lamp holder for Adaro helmet lamps (for ADALIT® L-5, L-10 and L-30)	R79493
Dräger HPS BuddyLight including helmet adapter	AH00457
Helmet adapter for HPS BuddyLight	AH00456
<b>Helmet communication units and adapters</b>	
Dräger HPS-COM Boom Mic (long boom microphone)	3703820
Dräger HPS-COM Short Boom Mic (short boom microphone)	3703821
Dräger HPS-COM Bone Mic (bone conduction skull microphone)	3703822
Dräger HPS-COM Throat Mic (throat microphone)	3703823
Dräger HPS-COM Dual Mic Bone/Boom (bone conduction skull/long boom microphone)	3703830
Dräger HPS-COM Dual Mic Bone/Short (bone conduction skull/short boom microphone)	3703831
HPS SafeGuard COM holder, right	3701642
HPS SafeGuard COM holder, left	3701643
HPS-COM plug protector	R80042
Adapter for thermal imaging camera UCF FireCore Smart Adapter HPS SafeGuard	3716701

# Ordering Information

## Customised marking and labelling

HPS SafeGuard reflective strip, back, silver	3701571
HPS SafeGuard reflective strip, back, red	3701572
HPS SafeGuard reflective strip, back, yellow	3701573
HPS SafeGuard reflective strip, back, blue	3701574
HPS SafeGuard reflective strip, back, gold	3722988
HPS SafeGuard reflective strip, back, black	3701576
HPS SafeGuard reflective strip, "Wing", silver	3722970
HPS SafeGuard reflective strip, "Wing", red	3722971
HPS SafeGuard reflective strip, "Wing", yellow	3722972
HPS SafeGuard reflective strip, "Wing", black	3722973
HPS SafeGuard reflective strip, "Wing", blue	3722974
HPS SafeGuard reflective strip, "Wing", gold	3722975
HPS SafeGuard reflective strip, "2 Bars", silver	3722982
HPS SafeGuard reflective strip, "2 Bars", red	3722983
HPS SafeGuard reflective strip, "2 Bars", yellow	3722984
HPS SafeGuard reflective strip, "2 Bars", black	3722985
HPS SafeGuard reflective strip, "2 Bars", blue	3722986
HPS SafeGuard reflective strip, "2 Bars", gold	3722987
HPS SafeGuard reflective strip, front plate, silver	3701578
Dräger HPS customized marking (for custom logos and lettering)	3701705

## Miscellaneous

HPS SafeGuard spacer (for small heads, to change the helmet's centre of gravity and increase the space between the face and the visors)	3701522
LF-RFID transponder	3362617
UHF RFID transponder	3734747
Barcode label 22 x 8 mm	AG02551
Barcode label 30 x 13 mm	AG02395
Helmet bag, large	R58555
Helmet bag, small	R68555
Helmet pouch	R79282
Helmet protection cover (for training purposes)	R79279
Washing bag (for machine cleaning)	6570003

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