




# Dräger HPS 7000 Firefighter's Helmet

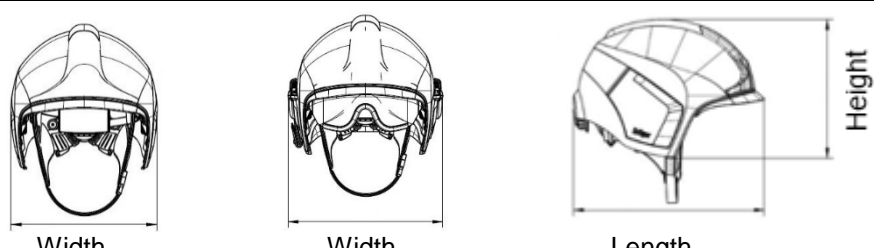
## Technical Data



Variants	Dräger HPS 7000 Basic	Dräger HPS 7000 Standard	Dräger HPS 7000 PRO
Side function plate - Variants			
Integrated face protecting visor (Face guard)	Yes	Yes	Yes
Integrated eye protecting visor (Eye guard)	No	No	Yes
Option to use as a mask-helmet-combination (MHC)	No	Yes	Yes
Option to mount the HPS 7000 integrated helmet lamp	Yes	Yes	Yes
Option to mount an external helmet lamp (PX1 or Adaro)	No	Yes	Yes

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Helmet and components			
Size	<p>2-helmet-shell size concept for optimal consideration of individual ergonomic values based on anthropometric data. Continuously adjustable to individual head sizes via adjustment wheel positioned on the outside of the helmet shell featuring a safety function to prevent unintentional adjustment.</p> <p>H1: for head sizes 50 to 62 cm (for 50/51 cm when using separate padding)</p> <p>H2: for head sizes 56 to 66 cm</p>		
Weight	Variant/size	size H1	size H2
	Basic	approx. 1.380 g (+/- 5%)	approx. 1.680 g (+/- 5%)
	Standard	approx. 1.480 g (+/- 5%)	approx. 1.780 g (+/- 5%)
	PRO	approx. 1.580 g (+/- 5%)	approx. 1880 g (+/- 5%)
	<i>Weight specifications without optional accessories, e.g. integrated helmet lamp or neck guard.</i>		
Dimensions	Variant/size	Size H1	Size H2
	Basic	Width: 243 mm Length: 332 mm Height: 243 mm	Width: 264 mm Length: 355 mm Height: 258 mm
	Standard / PRO	Width: 271 mm Length: 332 mm Height: 243 mm	Width: 292 mm Length: 355 mm Height: 258 mm
			
	<p>Width                      Width                      Length                      Height</p>		
Helmet shell - Material	<p>Composite consisting of fibreglass-reinforced plastic (PA-GF) and additionally reinforced with aramid webbing, high-temperature resistant, i.e. ambient temperatures up to 250°C do not lead to changes in the shape of the helmet shell.</p>		




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Damping system	<p>Hard foam damping element made of 2-component polyurethane (PUR), firmly glued into the helmet shell.</p> <p>Comfort net made of high-strength and heat-resistant polyester or alternatively a three-layer comfort pad made of Meta Aramid (Nomex® Comfort, as upper side), Para Aramid (as insulation material) and an aramid-viscose mixture (as inner lining).</p> <p>Both versions have a Nomex®/ Kevlar edging tape and are mounted to the helmet with a 4-point-harness system of Meta Aramid with Velcro.</p> <p>(Nomex® is a registered trademark of DuPont)</p>
Helmet colours	<p><u>a) Standard colours:</u></p> <p>White (RAL 9010)  Red (RAL 3000)  Zinc yellow (RAL 1018)  Signal blue (RAL 5005)  Black (RAL 9005)  White aluminium (RAL 9006)  Yellow green (RAL 6018)</p> <p><u>c) Luminescent colour:</u></p> <p>Luminescent (similar to RAL 110)</p> <p><u>d) Colours with dual function:</u></p> <p>Luminescent-yellow (similar to RAL1016)</p> <p><u>e) Metallized surface:</u></p> <p>Chrome</p> <p><u>b) Luminous/bright colours:</u></p> <p>Bright yellow (RAL 1026)  Bright orange (RAL 2005)</p>
Paint system	<p>The paint system of the painted helmet shells consists of a three-layer structure of primer, topcoat paint and clear lacquer based on polyacrylate.</p>
Interior	<ul style="list-style-type: none"> <li>• Skin-friendly materials, washable, heat-resistant</li> <li>• 4-Point-Harness with padding in the cheek area made of aramid <ul style="list-style-type: none"> <li>➢ Continuously adjustable neck straps with clamp buckle lock</li> <li>➢ Continuously adjustable chin strap with 2-piece chin strap lock and hook-and-loop fastener</li> </ul> </li> <li>• Continuously adjustable head carrier ring from polyamide (PA) encased in padded synthetic leather and spring support in the back of the head for adjusting to individual head sizes and shapes</li> <li>• Comfort net made of high-strength and heat-resistant polyester or alternatively a three-layer comfort pad made of Meta Aramid (Nomex® Comfort, as upper side), Para Aramid (as insulation material) and an aramid-viscose mixture (as inner lining). Both versions have a Nomex®/ Kevlar edging tape and are mounted to the helmet with a 4-point-harness system of Nomex®/ Kevlar with Velcro. For individual height adjustment of the helmet</li> <li>• Connection system (front and rear retaining ring) made of glass-fibre reinforced polyamide (PA-GF) between helmet shell and supporting ring as well as harness</li> </ul> <p>(Nomex® is a registered trademark of DuPont)</p>





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<p>Face protecting visor (Face guard)</p> 	<p>2,5 mm polyether sulphone (PESU), approved according to EN14458:2018, very resistant to high temperatures and chemicals, grip zone protrudes over the helmet shell</p> <p><u>Variants:</u></p> <ul style="list-style-type: none"> <li>• clear</li> <li>• clear with anti-scratch coating</li> <li>• clear with anti-fog coating</li> <li>• gold coated (99,99% gold)</li> </ul>
<p>Eye protecting visor EN 14458 (Eye guard)</p> 	<p>2,5 mm polyether sulphone (PESU) with soft pad edge protection made of EPDM, approved according to EN 14458:2018, very resistant to high temperatures and chemicals, horizontally adjustable in 2 positions for spectacle wearers or persons with prominent face shapes, operation via lever on both sides on the outside of the helmet</p> <p><u>Variants:</u></p> <p>clear clear with anti-scratch coating</p>
<p>Eye protecting visor EN 166 (Eye guard)</p> 	<p>2,5 mm polycarbonate (PC) with soft pad edge protection made of EPDM, approved according to EN 166:2001, horizontally adjustable in 2 positions for spectacle wearers or persons with prominent face shapes, operation via lever on both sides on the outside of the helmet</p> <p><u>Variants:</u></p> <p>grey tinted with 60% absorption as sun and glare protection</p>


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Optional accessory components	
<p>Neck Protection</p> 	<p>Simple and secure attachment via an adapter strip (with 4 snap fasteners on the neck guard) to the neck protection holder on the helmet shell.</p> <p>Available in the following designs:</p> <ul style="list-style-type: none"> <li>• short, close-fitting aramid version with integrated fold</li> <li>• extremely heat-resistant alu-aramid version in different lengths</li> <li>• 3-layer dutch version made of aramid fabric</li> </ul>
<p>Integrated helmet lamp</p> 	<ul style="list-style-type: none"> <li>• 3W high performance LED- lamp, highly heat- and flame-resistant</li> <li>• Hands-free operation</li> <li>• Optimal wearing comfort of the helmet with helmet lamp due to well-balanced weight distribution</li> <li>• Optimal illumination of the direct working area</li> <li>• Light beam in direct viewing direction</li> <li>• Reflector with antidazzle function optimally reduces the dazzling of teammates during operation</li> <li>• On /off switch on the right and left side - no accidental switching on or off possible</li> <li>• Integrated function and battery test</li> <li>• Battery warning during use</li> </ul>
<p>External helmet lamp</p> 	<ul style="list-style-type: none"> <li>• High performance lamps Dräger PX 1 und Dräger PX1 Shorty with LED-technology</li> <li>• Adaptation to the helmet possible on left and/or right side via an adapter with angle adjustment in three positions</li> <li>• Adaption of different lamp types and manufacturers possible, e.g. Dräger PX 1, UK 4AA, PeliLite 1800, Adaro L-5 etc.</li> </ul>
<p>Reflective stripes / Marking and labelling</p> 	<ul style="list-style-type: none"> <li>• Good visibility and thus increased safety in applications with poor visibility conditions</li> <li>• Customised design incl. customer logo on front plate label</li> <li>• Made of heat-resistant, highly flexible, durable and retro-reflective 3M Scotchlite™ foils from the 580 series</li> <li>• Customised lettering made of dimensionally stable, non-reflecting Scotchcal™ Opaque graphic film Series P100 von 3M</li> <li>• Available in different colours</li> </ul>


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<p>Dräger HPS-COM</p> <p>Helmet Communication System</p> 	<ul style="list-style-type: none"> <li>• Specially developed for Dräger firefighting helmets</li> <li>• Modular system (2 base units + 4 microphone-options = 6 variants) for a variety of application</li> <li>• Easy, fast and secure adaptation via a robust metal clip, no tools needed</li> <li>• Excellent audio performance/ speech quality, specially adapted to human voice</li> <li>• Very robust and compact design with housing made of Polyamide (PA)</li> <li>• Park position for the boom mic for stand-by operation</li> </ul>

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Approvals and general information		
Service life	Firefighting helmets of the Dräger HPS series <u>do not have a binding end of service life</u> . The real and maximum achievable service life is highly depending on environmental factors such as the conditions of storage, use, cleaning, revision and maintenance at the customer, which Dräger cannot influence.	
Logistic	<ul style="list-style-type: none"> <li>Each helmet is marked with an individual serial number</li> <li>GTIN identification on the label of the packaging carton.</li> <li>Optional marking of the helmet with Barcode label or RFID-Transponder</li> </ul>	
Approval Helmet system	EN 443:2008 Type B 3b	Helmets for firefighting in buildings and other structures, full-shell helmet with integrated face guard according to EN 14458, with and without neck guard
	DIN 58610:2014	Mask-Helmet-Combination with all Dräger full face masks of series Panorama Nova und FPS 7000
	EN 16471:2014	Helmets for wildland fire fighting
	EN 16473:2014	Helmets for technical rescue
	(EU) 2016/425	European Regulation on Personal Protective Equipment (PPE)
	CCCF GA44-2015	Chinese standard on firefighting helmets
	CA 32.878	Brazilian standard on firefighting helmets
	GOST/TR	Russian standard on firefighting helmets
	2014/90/EU	Marine Equipment Directive (MED)
	SOLAS II-2 A, FSS Code	International Convention for the Safety of Life at Sea – Firefighter's outfit
Optional characteristics and markings	E2	Electrical insulation strength of the wet helmet and helmet shell
	E3	Indication of the non-conductive surface of the helmet shell
	C	Chemical resistance
	****	The fire helmet is designed for use at low temperatures up to -40 °C
		Marking (ship wheel) due to approval according to the Marine Equipment Directive (MED)