



# HEROS

Fire fighting helmets certified to EN 443:2008

Highest protection level

Safety and comfort for every situation

 **rosenbauer**

# Rosenbauer Helmet Systems

Rosenbauer have more than 20 years experience with protective helmets. Several hundred thousand HEROS fire helmet systems are already in use around the world, providing fire fighters with optimum head protection.

Rosenbauer now present the new HEROS-smart fire helmet in addition to the full protection HEROS-xtreme helmet which has been operational since 2005.

In addition to the exemplary high protection level of the HEROS series, this new ¾ shell helmet is characterized by its particularly low weight, good ventilation and high wear comfort.

Both helmet systems HEROS-xtreme and HEROS-smart have been developed for the hardest of operations and surpass the requirements in EN 443:2008.



HEROS-xtreme: Full shell



HEROS-smart: ¾-Shell

## Performance characteristics

Performance characteristics	HEROS-smart	HEROS-xtreme
EN443:2008	Yes *	Yes
Helmet type	Type A/3b (¾-shell)	Type B/3b (Full shell)
Size adjustment from outside	•	•
Size	51-65	51-65
Face protection visor as per EN14458	◦	•
Safety goggles as per EN14458	◦	◦
Neck protector	◦	•
Edge protector	◦	◦
Helmet stripes	◦	◦
Emblem	◦	◦
Lamp holder integrated	–	•
Lamp holder as accessory	◦	◦
Mask adaptor integrated	–	•
Helmet headset	◦	◦
Leather lining	◦	◦
Comfort padding chin strap	◦	•

\* Certification in progress when these documents were created  
 ◦ optional      • standard      – unavailable

# HEROS-xtreme

## Safety for extreme situations

Based on 20 years of experience with protective helmets, Rosenbauer developed the new fire fighting helmet in accordance with EN 443:2008: HEROS-xtreme



With a considerable number of important details, the new HEROS-xtreme is one of the best fire fighting helmet systems in the world:

- Certified to EN 443:2008 helmet type B/3b
- High impact and penetration resistant helmet shell
- Ergonomic inner lining
- Trapezoidal chinstrap for better stability
- Easily adjustable helmet size from outside
- Face shield and eye protection visor\*
- Revolutionary helmet lamp system\*

\* optional



### New developed composite helmet shell

- Unique glass fibre reinforced composite material
- High strength and impact resistance at extreme temperatures
- Tested for structural fire fighting and fire container operations



Shock absorption

### Tested and certified

Helmet type B/3b  
EN 443:2008  
E2E3C\*\*\*  
C 0158  
EN 14458 (Visors)



### After flame engulfment (approx. 1000°C, 10 seconds):

- No structural damages
- Full protection
- No damage of the inner lining
- No afterburn > 5 sec.
- Test head temperature only 35°C!



Flame engulfment



## Two visors for every operation\*

Both visors are also suitable for wearers of spectacles



Extensive facial protection



Separate, swivel eye protection visor\*\*

Visors tested and certified as to **EN 14458:2004**.

The following optional requirements are satisfied by both visors

2-1,2	UV protection level
-30°C+120°C	applied extreme temperatures
T	penetration resistance at extreme temperatures (120 m/sec)
K	anti-scratch
N	anti fog
Ω	electrical isolation

## Size adjustment from the outside

- Easily adjustable helmet size (51 - 65 cm)
- Size adjustable ratchet headband for excellent wearing comfort
- Adjustment possible from the outside even when wearing gloves



\* optional

\*\* not available in France



### Internal features

- High-comfort padding for the prevention of pressure points even during longer operations
- Best possible hearing and heat sensitivity in combination with excellent ear protection
- Optimum weight distribution
- Excellent wearer comfort
- Made of Nomex®/Viscose FR (heat- and flame resistant, sweat absorbent, machine washable 40°C)

### Trapezoidal chinstrap

- Ergonomic, optimised 3-point chinstrap (100% Nomex®, heat and flame resistant)
- Integrated ear protection (Nomex®/Viscose FR (heat and flame resistant, sweat absorbent, machine washable 40°C))

### Neck protection

- Heat- and flame resistant material
- Also available as all-round protection (model "Holland")

### Mask attachment

Suitable for all common breathing masks



## Fully integrated helmet lamp\*

- Latest LED technology
- Extremely powerful high-tech beam
- Explosion-proof

### Ex II 2 G Ex ib IIC T4

- Helmet lamp is easily detachable and can also be used as a hand-lamp



By pressing the HEROS-Button the lamp can be detached easily



## Bone conduction communication kit\*

Excellent voice transmission even at high noise level

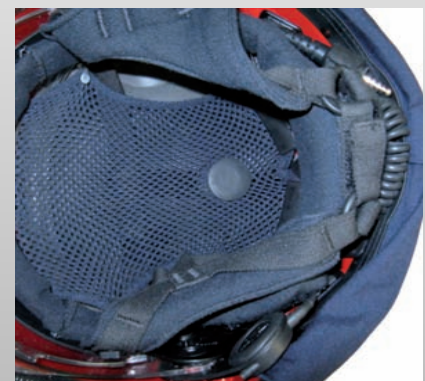
### Communication Kit Impact-Com

- Microphone and speaker in one housing mounted next to the ear
- Voice is recorded over a bone conduction microphone at the side of the head
- Large PTT switch, which can also be pressed with underarm or elbow
- Communications unit is fastened to the side of the chin strap by velcro fastener
- Communication kit can be changed from one helmet to another



### Communication Kit SAVOX

- Microphone directly on the head mounted in the helmet net, speaker mounted next to the ear
- Voice is recorded over a bone conduction microphone at the back of the head
- Different PTT buttons available (please refer to "Options")
- Communication kit integrated in the helmet



\* optional

# Options and accessories

Order No.	
	<b>Visors</b>
156854	Eye protection visor, clear
15685401	Eye protection visor, tinted
15685101	Face shield, gold coated, mounted instead of standard visor
156849	Helmet lamp
156862	Clamping Strip Set (1 pair), for mask adaption
15686802	All round neck protection (model „Holland“) mounted instead of standard neck protection
	<b>Impact Com Communications Kit</b>
15665612	Impact Com, consisting of upper part with microphone and speaker, lower part with PTT-button. Comes without radio plug.
15665405	Radio plug Motorola GP300 (other radio plugs on request)
156858	Fixing kit for Impact Com
	<b>Savox Communications Kit</b> (Helmet harness Order No. 15686301 is required!)
156651	Savox upper part with microphone and speaker
15665201	PTT-button C-C500, with microphone and speaker, for Motorola GP 300 (further Radio plugs on request), even useable without headset.
156653	PTT-button C-C400, without microphone and speaker, for Motorola GP 300 (further Radio plugs on request), only useable with SAVOX upper part!
15686301	Savox helmet harness, mounted instead of standard harness
15686302	Savox helmet harness, refitting set
	<b>Helmet stripes (double), reflecting</b>
156864	Colour red
156865	Colour silver
156866	Colour yellow
156867	Colour blue
156871	Chin guard, made of leather
156873	Edge guard, black



15685401 / 156849 / 156864



15685101



15665612 / 15665405



156651



15665201



156653



156871



156873



Order No.	
15687003	Inner lining, made of leather instead of textile inner lining
156843	Carrying bag
156876	Protection hood PBI, for extreme operations
156831	Mask Adapter Set "Duo", instead of standard mask adapter



156876



156831



## Order data

HEROS-xtremecomes complete with neck protection, face shield and user guide, but without helmet stripes and without lamp.

Order No.	Color
156800	Luminous
156801	High visibility red - RAL 2005
156802	High visibility yellow - RAL 1026
156804	Blue - RAL 5015
156805	Black - RAL 9004
156806	White - RAL 9016
156807	Silver - RAL 9006
156808	Red - RAL 3020
156809	Yellow - RAL 1018

# HEROS-smart

## Safety and comfort for all operations

### Helmet shell

- Glass fibre reinforced composite material
- High strength and impact resistance at extreme temperatures

### Visors

- Certified as to EN14458
- Extensive facial protection visor (optional)
- eye protection visor (optional)



### Developed for technical and fire fighting operations

- Secure, stable, light and comfortable
- Tested according to EN 443:2008\*
- Helmet type A
- Additional test electrical insulation (E2E3)
- Additional test chemical resistance (C)
- Additional test -30°C (\*\*\*)
- Visor tested according to EN 14458

\* Certification in progress when these documents were created

### Size adjustment form the outside

- Easily adjustable helmet size
- Adjustment possible from the outside even when wearing gloves
- Required setting can be changed quickly depending on the operation

### Optimized wearer comfort

- Ergonomically optimized headband
- Very good fit to individual head shape due to size-adjustable headband
- Fatigue-free wear

### Inner lining

- High-comfort padding for comfort to head pressure points even during extended operation time
- Best possible hearing and heat sensitivity
- Optimum weight distribution
- Excellent wearer comfort
- Heat and flame resistant material
- Sweat-absorbent, machine-washable headband

### Trapezoidal chinstrap for:

- Ergonomic, optimized 3-point chinstrap
- Heat and flame resistant material
- Machine washable

### Scope of delivery

Helmet HEROS-smart comes without neck protector, without visor, without helmet stripes, individually packed in a box.

Weight: approx. 1000 g



Order No.	Color
157000	Luminous
157001	High visibility red - RAL 2005
157002	High visibility yellow - RAL 1026
157004	Blue - RAL 5015
157005	Black - RAL 9004
157006	White - RAL 9016
157008	Red - RAL 3020



# HEROS-smart

## Options and accessories



Order No.	
	<b>Face shield</b> , visors are also suitable for wearers of spectacles
15685001	Face shield clear, mounted
156850	Face shield clear, spare part
	<b>Eye protector</b> **, visors are also suitable for wearers of spectacles
156854	Eye protector clear, mounted
15685402	Eye protector clear, spare part
15685401	Eye protector tinted, mounted
15685403	Eye protector tinted, spare part
	<b>Helmet trims</b> , made of 3M Scotchlite
157064	Helmet trims (double), color: red
157065	Helmet trims (double), color: silver
157066	Helmet trims (double), color: yellow
157067	Helmet trims (double), color: blue
15706401	Helmet trims (double), color: red with bag
15706501	Helmet trims (double), color: silver with bag
15706401	Helmet trims (double), color: yellow with bag
15706501	Helmet trims (double), color: blue with bag
	<b>Neck protector</b> , heat- and flame resistant material
15686906	Neck protector, mounted
15686906	Standard neck protector, spare part
	<b>Inner lining</b>
157700	Head band lining made of textile, spare part
15687002	Head band lining made of leather, spare part
15687003	Head band inner lining, made of leather instead
156871	Chin guard, made of leather
	<b>Fire &amp; Rescue lettering</b> , height: 2 cm
157091	Color: black
157092	Color: red
	Other letterings on request
156873	<b>Edge guard</b>



157002 / 15685001



157002 / 157064 / 1568906 / 1570917

\*\* not available in France

## Contact

Rosenbauer International AG  
 Business Unit Fire & Safety Equipment  
 Paschinger Straße 90  
 4060 Leonding · Austria  
 Tel.: + 43 732 6794-0  
 Fax: + 43 732 6794-77  
 office@rosenbauer.com

[www.rosenbauer.com](http://www.rosenbauer.com)

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