



# Cairns® XR2 Technical Rescue Helmet



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CAIRNS® **XR2**

WHEN YOU GO IN, WE GO IN WITH YOU.



## Key Features & Benefits

### MULTI-PURPOSE

Engineered helmet platform designed for technical rescue, wildland firefighting, climbing, and water rescue operations.

### FULL MODULARITY

Modular platform with a range of easily attachable accessories: responder goggles, face protection, and hearing protection with integrated communication system.

### ACCESSORY INTEGRATION

Accessories designed for full integration: dual beam headlamp with tail light (Buddy light), adjustable internal visor, and water rescue ear protection.

### USER-FOCUSED DESIGN

All integrated and modular accessories are designed for easy attachment.

“Glove-friendly” design of all accessories and helmet adjustment points for both right- and left-handed users.

### UNMATCHED COMFORT

Compact design, lightweight materials, ride height adjustments, and integrated modular accessories all contribute to optimized weight distribution.

Optional dual ventilation shell pattern on top and sides provides additional comfort.

### MEETS MULTIPLE STANDARDS

Designed and tested to meet the latest NFPA and EN Standards for Technical Rescue, Wildland Firefighting (*EN only*), and Water Rescue.

### EASY CLEANABILITY

Easy to remove one-piece textile soft-goods to support health and safety initiatives  
(see *Cleaning Guidelines for details*).

Innovative one-piece padding in soft-goods to help reduce pressure points.

### CUSTOMIZABLE OPTIONS

Printing available for front plates to add custom logo or other designs.  
Multiple reflective trim and decal choices with custom printing options.

## Focus on Innovation



### INTEGRATED DUAL-BEAM HEADLAMP

- Provides proximity (*floodlight*) and spot beam with over 250 lumens.
- Tail light (*Buddy-light*), with three colors available to toggle, and aid in accountability.
- “SOS” mode that flashes front and rear lights to signal a distress.



### INTEGRATED INTERNAL VISOR

- Fully integrated into the helmet shell and easily deployed with a gloved hand.
- Adjustable fit to face with individual height and depth adjustments.
- No tools needed to install or remove.



### WATER RESCUE EAR PANELS

- Left and right modular side protection covers for water rescue applications.
- Easy attachment points for connection and removal depending on task and situation.



### RESPONDER GOGGLES

- Quickly attaches to helmet shell with modular connection.
- Easily switch between stand-by and in-service mode with release buckle.
- Keep goggle strap secure with magnetic adjustment system.
- Accommodates multiple head sizes with modular buckle system.



### INTEGRATED HEARING PROTECTION WITH OPTIONAL COMMUNICATION SYSTEMS

- Modular connection to add both passive and electronic hearing protection.
- Optional communication systems with adjustable boom microphone for mission-critical communications.



# Helmet Technical Specifications

<b>WEIGHT (HELMET ONLY)</b>	1.7 lb. ± 1.8 oz. (750 g ± 50 g, depending on version)
<b>DIMENSIONS (SHELL)</b>	
<b>LENGTH</b>	11.8" (299 mm)
<b>WIDTH</b>	9.4" (239 mm)
<b>HEIGHT</b>	7.1" (180 mm)
<b>SIZES</b>	One size fits most (hat size ranges 6½ to 8¾ [52 to 65 cm])
<b>SHELL</b>	Vented or unvented Painted
<b>COLORS</b>	
<b>STANDARD</b>	White, Black, Green, Blue, Yellow, Red, Grey
<b>HIGH-VISIBILITY</b>	Hi-Viz / Photoluminescent Yellow, Hi-Viz / Photoluminescent Orange, Photoluminescent
<b>CHINSTRAP</b>	3-4 points chinstrap 0.6" (16 mm) wide fire-retardant strap without loose end Height and depth adjustments Quick release buckle
<b>ADJUSTMENTS</b>	Head size (ratchet adjustment system) Ride height (3 positions) Nape strap height adjustment (3 positions)
<b>MATERIALS</b>	
<b>SHELL &amp; PLASTIC PARTS</b>	High-temperature thermoplastics
<b>STRAPS</b>	Fire-retardant, modacrylic and polyester blend
<b>PADDINGS</b>	Polyamide / Polyester / Elastane base material
<b>APPROVALS</b>	NFPA 1951, 2020 Edition; Standard on Protective Ensembles for Technical Rescue Incidents CE Marking according to EU regulation 2016/425 (March 9th, 2016) EN 16471:2015 – Helmets for Wildland Firefighting EN 16473:2015 – Helmets for Technical Rescue EN 12492:2012 – Helmets for Mountaineers (vented version only)
<b>CUSTOMIZATION</b>	Retroreflective stickers (yellow, red, silver, blue, green) with or without marking Pad printed logo on front plate



White



Black



Green



Blue



Yellow



Red



Grey



Hi-Viz Yellow



Hi-Viz Orange



Photoluminescent

# Options & Accessories



## INTEGRATED LED HEADLAMP

<b>FEATURES</b>	Integrated LED headlamp module 2 beams (proximity and spot) Tail light (3 colors, RGB)
<b>WEIGHT</b>	
<b>FRONT MODULE W /LEDS</b>	3.2 oz. ± 0.2 oz. (90 g ± 5 g)
<b>REAR AA BATTERY PACK (W/3XAA BATTERIES)</b>	7.4 oz. ± 0.4 oz. (210 g ± 10 g)
<b>APPROVALS</b>	CE marking
<b>POWER</b>	3-AAA Alkaline/Lithium disposable or rechargeable batteries (Ni-MH)
<b>PERFORMANCE</b>	<i>(varies according to battery type)</i>
<b>PROXIMITY</b>	100 lumens, minimum 6 h
<b>SPOT</b>	150 lumens, minimum 4 h
<b>COMBINED</b>	250 lumens, minimum 1.5 h
<b>RESERVE MODE</b>	30 lumens, > 45 min.
<b>SOS MODE</b>	Flashing (spot beam + tail light)



## RESPONDER GOGGLES

<b>FEATURES</b>	Dust-resistant design Attachment to helmet with two clips Tension adjustment through fire retardant straps Magnetic strap adjustment system
<b>WEIGHT</b>	5.8 oz. ± 0.4 oz. (165 g ± 10 g)
<b>APPROVALS</b>	EN 166:2002 – Eye Protection Marking: 2C-1,2 1BT 3459 KN
<b>PERFORMANCES</b>	
<b>2C-1, 2</b>	UV filter (EN 170)
<b>1</b>	Optical class 1
<b>BT</b>	High speed particles (268 mph [120m/s]) at extreme temperatures
<b>3</b>	Liquid droplets
<b>4</b>	Dust
<b>5</b>	Gas and fine dust particles
<b>9</b>	Molten metal
<b>K</b>	Anti-scratch
<b>N</b>	Antifog



## INTERNAL VISOR

<b>FEATURES</b>	Retractable under helmet shell Depth adjustment Quick installation
<b>WEIGHT</b>	3.5 oz. ± 0.4 oz. (100g ± 10g)
<b>APPROVALS</b>	EN 14458:2018 – High Performance Visors
<b>PERFORMANCES</b>	Antifog / Anti-scratch 2C-1.2 : UV filter (EN 170)

# Options & Accessories



## NAPE NECK CURTAIN

**FEATURES** Color: Dark Blue  
100% Aramid  
Nape version, length 15 cm  
Quick assembly through 3 plastic clips

**WEIGHT** 1.1 oz. ± 0.2 oz. (30 g ± 5 g)



## HEARING PROTECTION

**FEATURES** Passive hearing protection  
Low (green) and medium (yellow) noise attenuation

### WEIGHT & DIMENSIONS

**LOW ATTENUATION** 6.5" x 4.2" x 4.7", 12.0 oz. (16.4 x 10.6 x 12.0 cm, 340 g)

**MEDIUM ATTENUATION** 6.5" x 4.2" x 4.7", 14.2 oz. (16.4 x 10.6 x 12.0 cm, 403 g)

### SNR RATINGS

**LOW ATTENUATION** SNR 28 dB

**MEDIUM ATTENUATION** SNR 32 dB

**APPROVALS** EN 352-3:2002 – Hearing Protectors  
ANSI S3.19-1974  
ANSI S12.6-2008  
AS/NZ S1270:2002  
CSA Class A



## WATER RESCUE KIT

**FEATURES** Additional side protection panels to extend area of coverage according to EN 1385 requirements

**WEIGHT** 1.8 oz. ± 0.4 oz. (50 g ± 10 g)

**APPROVALS** EN 1385:2012 – Water Sport Helmets  
PAS028-2002 – Marine Safety Helmets, section 6: performances  
**Compliant on both non-motorized and motorized rescue crafts**



## More Accessories Coming Soon!



**Headlamp**  
Alkaline ATEX / Li-Ion ATEX  
& Non-ATEX

Available 1<sup>st</sup> Quarter 2022



**Clear Face Protection**



**Mesh Face Protection**

Available 2<sup>nd</sup> Quarter 2022



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**HELMET ORDERING INFORMATION**

Part number	Description
<b>GS210003A001-BA001</b>	Cairns XR2 Technical Rescue Helmet, non-vented, white (painted), silver prism trim, no-eye, bag
<b>GS2100032001-OP001</b>	Cairns XR2 Technical Rescue Helmet, non-vented, hi-viz orange (painted), textile yellow trim, no-eye, bag
<b>GS210003A001-NA001</b>	Cairns XR2 Technical Rescue Helmet, non-vented, black (painted), silver prism trim, no-eye, bag
<b>GS2100033001-YP001</b>	Cairns XR2 Technical Rescue Helmet, non-vented, hi-viz yellow (painted), textile red trim, no-eye, bag
<b>GS2100032001-RE001</b>	Cairns XR2 Technical Rescue Helmet, non-vented, red (painted), textile yellow trim, no-eye, bag
<b>GS1100030001-BA001</b>	Cairns XR2 Technical Rescue Helmet, vented, white (painted), no-trim, no-eye, bag
<b>GS1100030001-OP001</b>	Cairns XR2 Technical Rescue Helmet, vented, hi-viz orange (painted), no-trim, no-eye, bag
<b>GS1100030001-YP001</b>	Cairns XR2 Technical Rescue Helmet, vented, hi-viz yellow (painted), no-trim, no-eye, bag
<b>GS1100032001-NM001</b>	Cairns XR2 Technical Rescue Helmet, vented, gray (painted), textile yellow trim, no-eye, bag
<b>GS110003A001-IM001</b>	Cairns XR2 Technical Rescue Helmet, vented, blue yellow (painted), prism silver trim, no-eye, bag
<b>GS110003A001-VA001</b>	Cairns XR2 Technical Rescue Helmet, vented, green (painted), prism silver trim, no-eye, bag
<b>GS110003A001-JD001</b>	Cairns XR2 Technical Rescue Helmet, vented, yellow (painted), prism silver trim, no-eye, bag
<b>GS210003A001-IM001</b>	Cairns XR2 Technical Rescue Helmet, non-vented, blue (painted), prism silver trim, no-eye, bag
<b>GS210003A001-VA001</b>	Cairns XR2 Technical Rescue Helmet, non-vented, green (painted), prism silver trim, no-eye, bag
<b>GS210003A001-JD001</b>	Cairns XR2 Technical Rescue Helmet, non-vented, yellow (painted), prism silver trim, no-eye, bag

All configurations listed above come in an individual box with textile bag.

**ACCESSORY ORDERING INFORMATION**

Part number	Description
<b>Eye, Face, and Ear Protection</b>	
<b>GA3705</b>	Responder goggles
<b>GA3723</b>	Responder goggles protective cover
<b>GA3702</b>	Ocular visor assembly
<b>GA3703**</b>	Mesh visor assembly EN 14458 & EN 1731
<b>GA3704**</b>	Clear visor assembly EN 14458 & EN 166
<b>GA3701</b>	Water rescue lateral protection panel, left and right
<b>GA3708</b>	Transportation bag
<b>GA3709</b>	Nape neck curtain
<b>Softgood and Chin Straps</b>	
<b>GA3715</b>	Suspension Padding
<b>GA3711</b>	Chinstrap
<b>Reflective Trim (Stickers, Set of 5 pcs.)</b>	
<b>GA3719-06</b>	Retro reflective stickers, Textile, Grey
<b>GA3719-05</b>	Retro reflective stickers, Textile, Yellow
<b>GA3719-07</b>	Retro reflective stickers, Textile, Red
<b>GA3719-08</b>	Retro reflective stickers, Vinyl, Blue
<b>GA3719-09</b>	Retro reflective stickers, Vinyl, Green
<b>GA3719-00</b>	Retro reflective stickers, Microprism, Grey
<b>GA3719-01</b>	Retro reflective stickers, Microprism, Yellow
<b>GA3719-02</b>	Retro reflective stickers, Microprism, Red
<b>LED Headlamp</b>	
<b>GA3724*</b>	L2XR headlamp, 3AA batteries, ATEX
<b>GA3725**</b>	L2XR headlamp, 3AA batteries, Non-ATEX
<b>GA3726*</b>	L2XR headlamp, Li-ion batteries, ATEX
<b>GA3727*</b>	L2XR headlamp, Li-ion batteries, Non-ATEX
<b>Hearing Protection</b>	
<b>10190356</b>	MSA passive hearing protection, Low
<b>10190357</b>	MSA passive hearing protection, Medium
<b>GA3720**</b>	Supreme active hearing protection
<b>GA3721**</b>	Supreme active hearing protection w/boom microphone
<b>1011823**</b>	left/RIGHT CutOff Pro, Yellow
<b>1011826**</b>	left/RIGHT CutOff Pro, Blue

\* available in 1<sup>st</sup> quarter 2022

\*\* available in 2<sup>nd</sup> quarter 2022

For Spare Parts Ordering Information, please refer to our Spare Parts Overview.

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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