

**MSA Cairns**<sup>®</sup>  
The Safety Company

MSA Cairns<sup>®</sup>  
Fire and Rescue Helmets



WHEN YOU GO IN, WE GO IN WITH YOU.

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# Great Reasons to Choose MSA Cairns<sup>®</sup> Helmets



*We've been proudly manufacturing fire helmets since 1836. And to this day when it comes to head protection, more first responders trust MSA Cairns brand fire helmets than any other. Here are just a few reasons why:*

## 1 Shell Release System (SRS)

The MSA Cairns Shell Release System (SRS) helps to protect against impact and heat—even when your helmet is dislodged from your head. With the SRS, if your helmet comes off due to extenuating circumstances—such as a fall through a floor or roof, the impact cap is designed to separate from the helmet shell, **but remain on your head.**

## 2 Retractable MSA Cairns Defender<sup>®</sup> Visor

North America's first (and still the best) NFPA 1971 and ANSI/ISEA Z87.1 impact-rated, integral visor. The Defender Visor was designed with firefighters in mind: stowing away when not in use, deployed with gloved hands, and easily replaced. Replacement of the lens does not require special tools or disassembly of the helmet. All of these benefits make the Defender Visor the best-selling firefighting eye protection in the market.

## 3 Best In Class

In a recent survey of firefighters across the nation<sup>1</sup>, the majority listed MSA Cairns brand as "best in class." When you consider the combined effectiveness of our SRS, crumple-zone front holder, impact cap, and suspension—our fire helmets offer the most complete package on the market.

## 4 Soft Good Kits and Replaceable Chinstraps

In 2018, MSA Cairns led the industry by offering removable and replaceable soft goods for all structural firefighting helmets, including soft good kits for easy cleaning. Toolless removable chinstraps are now standard on all MSA Cairns Fire Helmets.

## 5 MSA Cairns 10-Year Lifetime Warranty

MSA Cairns offers a 10-year lifetime warranty that the product will be free from defects in materials and/or faulty workmanship<sup>2</sup>. When you factor in the quality, ease of maintenance, and unique safety features found **ONLY** in MSA Cairns Helmets, it's easy to see why firefighters are fiercely loyal to the MSA Cairns brand.

## 6 Same Day Shipping on Our Most Popular Items

When you can't afford to wait another day, MSA offers our most popular Cairns products in our Stock-Order-Ship (SOS) program. For these products, if your order is entered by 2:30 PM (EST), the product ships the same day from our warehouse in Pittsburgh, PA. Look for the SOS symbol  beside products in the program. Remember, too, you can always order customized Cairns Fire Helmets through Assemble-to-Order (ATO). ATO forms are on every fire helmet page on MSASafety.com.

<sup>1</sup>Fire helmet brand assessment study conducted by an outside research firm for MSA.

<sup>2</sup>For MSA Cairns Fire Helmet Warranty details, please see [www.MSASafety.com](http://www.MSASafety.com). 10-year warranty applies to helmets manufactured on or after 1/1/2015. Limitations apply.

## MSA Cairns Helmets Overview

					
	N6A Houston®	NSA New Yorker®	MSA Cairns® 1836	MSA Cairns® 1010 & 1044	880 Tradition®
PAGE NUMBER	10	10	15	18	20
SHELL					
10-Year Warranty*	■	■	■	■	■
Country of Manufacture	US	US	US	US	US
Leather	■	■			
Fiberglass Composite			■	■	
Thermoplastic					■
SAFETY OPTIONS					
Impact/Thermal Cap	■	■	■	<i>See page 14 for details.</i>	■
Integral Eye/Face Protection			Defender Visor	Defender Visor	
Shell Release System			■	■	
Crumple-zone Front Holder	■	■	■	■	■
STANDARDS COMPLIANCE					
NFPA 1971 (structural)	■		■	■	■
NFPA 1971 (proximity)			■	■	
NFPA 1951 (rescue)					
OSHA 1910.156	■	■	■	■	■

\*10-Year Warranty applies only to MSA Cairns Fire Helmets manufactured on or after January 1, 2015. For details on MSA Cairns warranties, visit Fire Helmet product page on MSAFire.com.

### Helmet Shell Material

<b>Leather</b>	<ul style="list-style-type: none"> <li>The original MSA Cairns fire helmet</li> <li>100% top-grain steer hide</li> <li>Impregnated with a natural resin system</li> <li>Hand-tooled by craftsmen</li> <li>N5A New Yorker &amp; N6A Houston models available with Traditional, Bronx, or Boston Bend brim</li> </ul>
<b>Fiberglass Composite</b>	<ul style="list-style-type: none"> <li>Most popular MSA Cairns fire helmet material</li> <li>Durable shell material</li> <li>Available in matte or glossy finish</li> <li>1836, 1010, 1044, 660C, 664 &amp; HP3 models</li> </ul>
<b>Thermoplastic</b>	<ul style="list-style-type: none"> <li>Lightest weight material in the MSA Cairns line</li> <li>Available on XF1, 880 &amp; 360S/R/R-13 models</li> </ul>

### Helmet Style Overview

<b>Traditional</b>	<ul style="list-style-type: none"> <li>Classic fire helmet design</li> <li>Most popular MSA Cairns fire helmet style</li> <li>Generally lower profile than our competitors' traditional helmets</li> <li>Helmets: N5A, N6A, 1836, 1010, 1044 &amp; 880</li> </ul>
<b>Modern</b>	<ul style="list-style-type: none"> <li>Lower profile than our traditional style</li> <li>Lower profile than most of our competitors' modern style helmets</li> <li>Helmets: 660C, 664, HP3, &amp; 360S/R/R-13</li> </ul>
<b>Jet-Style</b>	<ul style="list-style-type: none"> <li>Lowest profile style</li> <li>Integrated accessories offer snag hazard reduction; includes eye/face protection, communication and lights</li> <li>Matte or glossy finishes</li> <li>Helmet: XF1</li> </ul>

				
	660C Metro® & Invader 664®	Commando HP3®	Structural 360S®	Cairns XF1
PAGE NUMBER	24	26	28	34
SHELL				
10-Year Warranty*	■	■	■	■
Country of Manufacture	US	US	US	France
Leather				
Fiberglass Composite	■	■		
Thermoplastic			■	■
SAFETY OPTIONS				
Impact/Thermal Cap	■	■	■	■
Integral Eye/Face Protection	Defender Visor	Defender Visor		Full Faceshield (NFPA) Visor (Z87+)
Shell Release System	■			
Crumple-zone Front Holder				
STANDARDS COMPLIANCE				
NFPA 1971 (structural)	■	■	■	■
NFPA 1971 (proximity)	■			
NFPA 1951 (rescue)		■		■
OSHA 1910.156	■	■	■	■

## Helmet Colors (Colors shown are approximate.)

	Black	Yellow	Red	White	Orange	Blue	Green	Pink
N6A Houston	■	■	■	■		■		
NSA New Yorker	■	■	■	■		■		
MSA Cairns 1836	■	■	■	■	■	■	■	■
MSA Cairns 1010	■	■	■	■	■	■	■	■
MSA Cairns 1044	■	■	■	■				
880 Tradition	■	■	■	■	■	■		
660C Metro	■	■	■	■	■	■	■	■
Invader 664	■	■	■	■				
Commando HP3	■	■	■	■	■	■	■	
Structural 360S	■	■	■	■	■	■	■	
Cairns XF1*	■	■	■	■		■		

\* Colors available in matte or glossy finish

# MSA Cairns Fire & Rescue Helmets

## Key Safety Features

### MSA Cairns Shell Release System (SRS)



Available on 1010, 1044, 660C and 664.

The MSA Cairns Shell Release System is designed to provide a second level of protection if your helmet is struck by a collapsing structure, or caught during a fall through a floor or roof.

### MSA Cairns Defender Visor



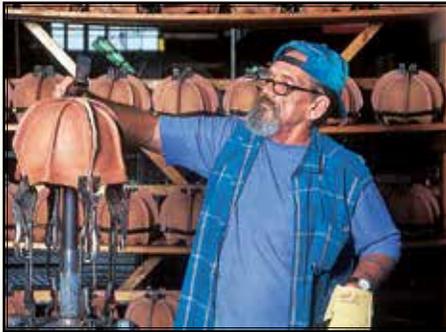
The original integrated, retractable eye protection.

- Our most popular eye protection option
- Meets NFPA 1971 and ANSI/ISEA Z87.1
- Stores inside your helmet so it:
  - deploys and stows easily
  - stays protected from heat and debris when not in use
  - doesn't block your front piece
  - never gets lost or misplaced
- Features a quick-disconnect system so you can easily maintain or change out lenses without tools
- Fits most firefighters, even with glasses
- Available on 1010, 1044, 660C, 664 and HP3
- Available as a user-upgrade kit for the same helmets (see page 56)

# MSA Cairns Leather Helmets

## Quality Craftsmanship

We've been making fire helmets for nearly 200 years—that's more than double most other fire helmet manufacturers. Since 1836, MSA Cairns leather fire helmets have retained the same authentic look and quality firefighters for generation after generation have relied on. Each helmet is individually handcrafted and ready to provide years of dependable service. MSA Cairns Leather Fire Helmets are the iconic symbol of pride in the fire service.



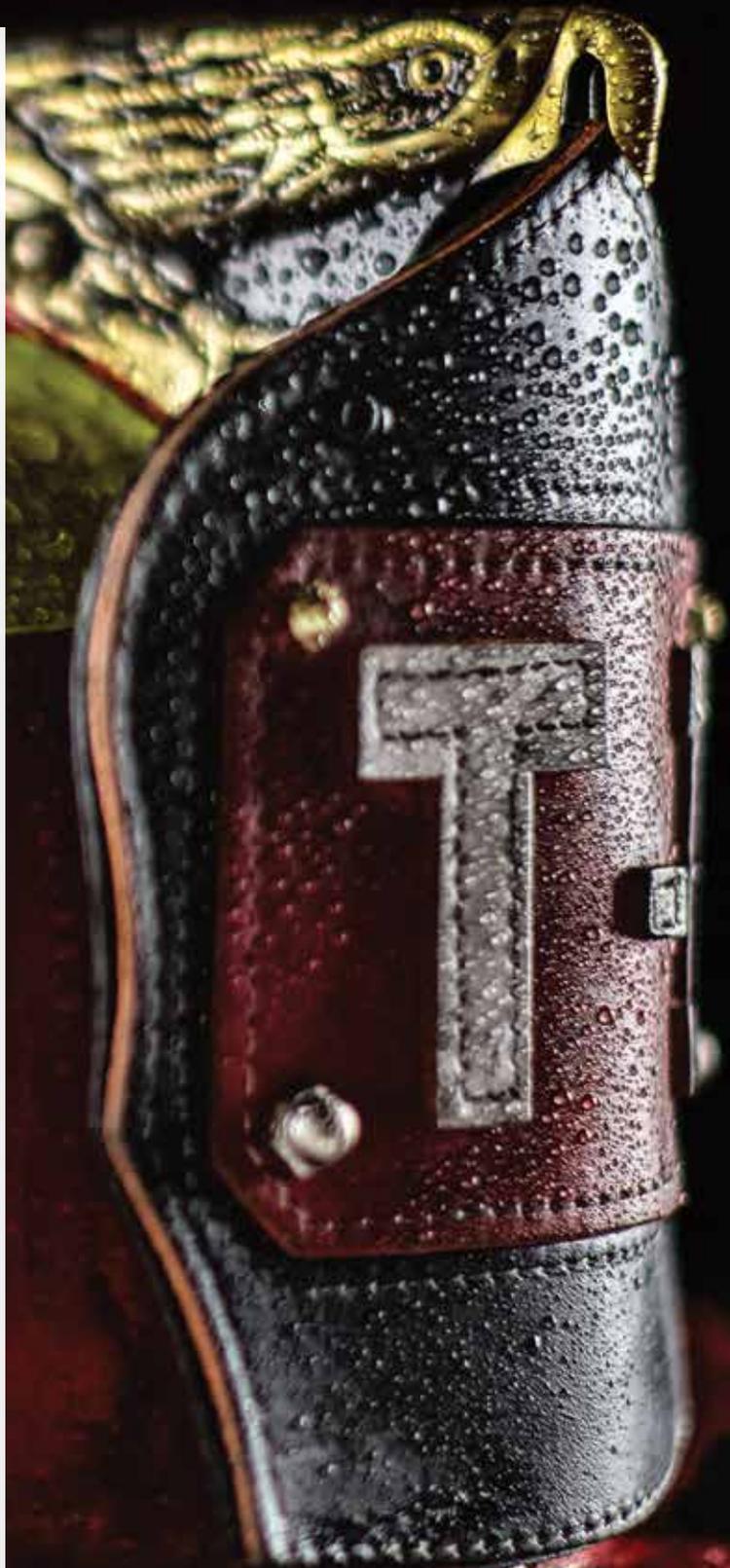
*Hand-shaped*



*Hand-stitched*



*Hand-trimmed*



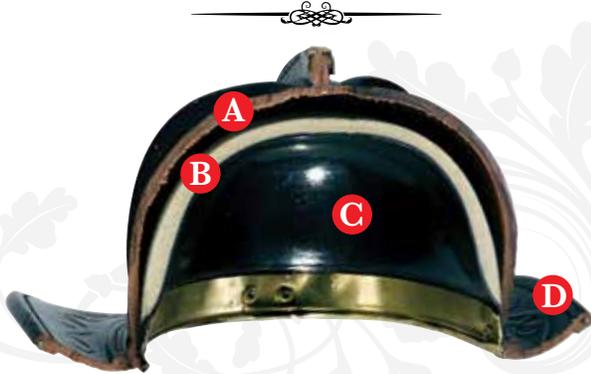
# MSA Cairns Leather Helmets

## Handcrafted with Meticulous Detail

- The New Yorker N5A and Houston N6A shells are hand-constructed of 100% top-grain steer hide<sup>1</sup> and impregnated with a natural resin system, which is sealed and over-coated with a colored high-luster finish.
- The crown is hand-sewn to the one-piece brim section. Showing attention to detail in every stitch, the brim is embossed with the Original fire service vine pattern.

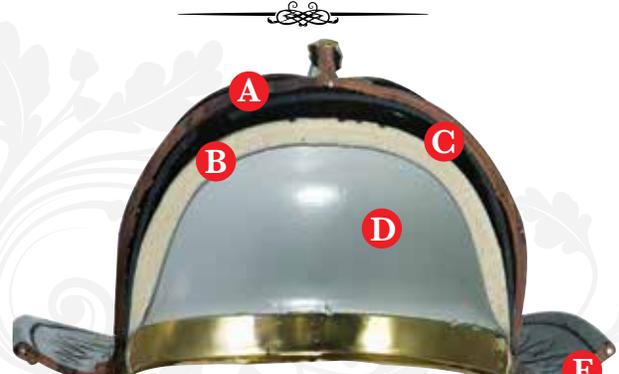
- The thermal impact liner is then installed within the leather crown. The thermal impact liner dramatically increases the levels of protection where you need it most.
- The Cairns six-way overhead strap suspension system reduces shock transmission while providing a deep, comfortable fit.
- Removable/washable soft goods are standard on every MSA Cairns Leather Fire Helmet<sup>2</sup>.

*N5A New Yorker Cut-Away*



- A** 100% top-grain steer hide
- B** High temperature-resistant urethane foam
- C** ABS inner liner
- D** Sewn-over wire reinforcement

*N6A Houston Cut-Away*



- A** 100% top-grain steer hide
- B** High temperature-resistant urethane foam
- C** Lexan outer dome
- D** ABS inner liner
- E** Sewn-over wire reinforcement

## MSA Cairns Leather Helmet: 10-Year Warranty

MSA Cairns Helmets, especially leather helmets, have the reputation of being the most durable products on the market. When you factor in the quality, ease of maintenance and unique safety features found ONLY in MSA Cairns Helmets, it's easy to see why firefighters are loyal to the MSA Cairns brand.

## A Growing Legacy

Even an icon like an MSA Cairns Leather Fire Helmet can be further elevated. MSA continues to innovate the leather fire helmet product line, while preserving the legacy and focusing on safety.

## NFPA-compliant Bourkes

Combining the traditional look of Bourkes that were invented in the 1960s with modern materials, the NFPA-compliant Bourkes satisfy the eye/face protection requirements as prescribed by NFPA-1971:2018, Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting. In addition to being compliant to NFPA-1971:2018, the NFPA-compliant Bourkes are also compliant to ANSI/ISEA Z87.1:2015 as an impact protector (Z87+). Easy to deploy or stow, the NFPA-compliant Bourkes have an increased coverage area of approximately 20% over traditional Bourkes.

To get your NFPA-compliant Bourkes, order P/N 10194911 (NFPA-compliant Bourkes Lens and Hardware Kit for MSA Cairns Leather Helmets)<sup>3</sup>.

<sup>1</sup> All MSA Cairns leather fire helmets shells are 100% top-grain steer hide.

<sup>2</sup> Only available on MSA Cairns leather helmets ordered after August 1, 2018.

<sup>3</sup> The Bourkes does not affect the compliance of the helmet as shipped from the MSA factory.



N6A Helmet with NFPA-compliant Bourkes

## Washable Soft Goods for MSA Cairns Leather Fire Helmets

All MSA Cairns Leather Fire Helmets ordered through Assemble-to-Order (ATO) after August 2018<sup>1</sup> offer **only** removable, washable soft goods. Every MSA Cairns Leather Fire Helmet also ships with a **FREE** mesh laundering bag. There are three options available on the ATO: yellow nomex, black nomex or PBI/Kevlar ear cover. Additionally, each of these soft goods is available as a kit, complete with a laundering bag.<sup>2</sup> *Order an extra set so you can always have a clean one!*

Part No.	Soft Goods Kit Description
10187685	Black Nomex Ear Cover and Liner, Ratchet and Crown Pads, Laundering Bag (for Medium N5A and N6A)
10187686	Black Nomex Ear Cover and Liner, Ratchet and Crown Pads, Laundering Bag (for Large N5A and N6A)
10187688	Yellow Nomex Ear Cover and Liner, Ratchet and Crown Pads, Laundering Bag (for Medium N5A and N6A)
10187689	Yellow Nomex Ear Cover and Liner, Ratchet and Crown Pads, Laundering Bag (for Large N5A and N6A)
10187690	PBI/Kevlar Ear Cover and Liner, Ratchet and Crown Pads, Laundering Bag (for Medium N5A and N6A)
10187691	PBI/Kevlar Ear Cover and Liner, Ratchet and Crown Pads, Laundering Bag (for Large N5A and N6A)

### Bronx Bend

Get the historical “rolled” brim style direct from the MSA fire helmet factory. Both the MSA Cairns N5A New Yorker (OSHA compliant) and the N6A Houston (NFPA 1971 compliant) are available with a Bronx Bend (large and medium sizes). All Bronx Bend options come complete with one of three removable soft goods options, and your choice of eye protection<sup>1</sup> (including NFPA-compliant Bourkes).



N6A Helmet with NFPA-compliant Bourkes and Bronx Bend



N5A Helmet with Bronx Bend

### Boston Bend

Order your new MSA Cairns N5A New Yorker (OSHA compliant) and the N6A Houston (NFPA 1971 compliant) with the classic Boston Bend, featuring the classic “flat” brim preferred by firefighters throughout New England.



N6A Helmet with Boston Bend (front view)



Boston Bend top view



N6A Helmet with Boston Bend (side view)

**Note:** All MSA Cairns Leather Fire Helmets with Traditional, Bronx, and Boston Bends are “hand shaped,” including the “bends.” Due to “hand-forming” the bends, no two helmets will be exactly the same.

<sup>1</sup> Removable/washable soft goods are standard on every MSA Cairns Leather Fire Helmet ordered after August 1, 2018.

<sup>2</sup> The MSA Cairns Leather Fire Helmet washable soft goods are NOT able to be retrofit into leather fire helmets manufactured before August 1, 2018.

# MSA Cairns Leather Helmets

## N5A New Yorker & N6A Houston

### For Structural Firefighting

- The Original Handcrafted Leather Firefighting Helmets
- Hat sizes: Medium (6¾ to 7½) and Large (7 to 8¾)



N5A New Yorker  
(shown with  
Traditional Bourkes &  
Goggles)



N6A Houston  
(shown with  
NFA Bourkes  
and Bronx Bend)

### Differences

N5A NEW YORKER	N6A HOUSTON
<ul style="list-style-type: none"> <li>• Meets US-OSHA 1910.156</li> <li>• Brass “nameplates” where North, East, South and West ribs meet the brim</li> <li>• No Lexan dome</li> <li>• Can be ordered with Traditional Bourkes Eyeshield or other eye protection options</li> </ul>	<ul style="list-style-type: none"> <li>• Meets NFPA 1971</li> <li>• No brass “nameplates”</li> <li>• Lexan dome for additional penetration protection</li> <li>• Can be ordered with NFPA Bourkes Eyeshield or any other eye protection options*</li> </ul>

### Features & Benefits

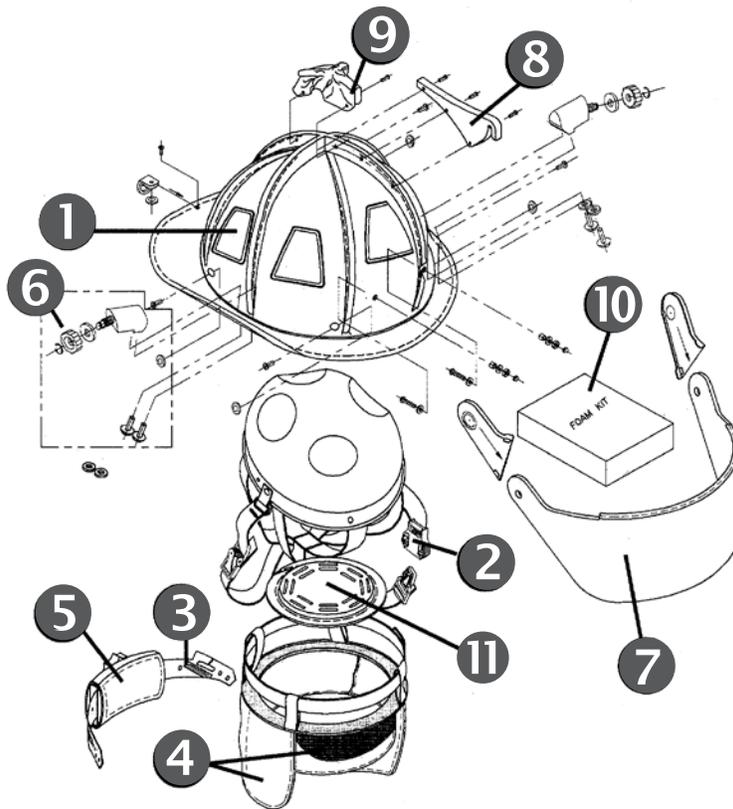
FEATURES	BENEFITS
Leather Shell	100% top-grain high-quality steer hide impregnated with a natural resin system
Crumple-zone Front Holder	Designed to collapse on impact to lessen the impact force
Impact Cap	Provides thermal and impact protection to meet NFPA 1971 and US-OSHA 1910.156
Comfort Pad Kit	Creates a customized fit unlike any other helmet
Aluminum-core Edge Trim	Helps the brim retain its shape
Brim Styles	Traditional, Boston, or Bronx Bend all with historical oak vine pattern
Soft Goods	Nomex (Black or Yellow) or PBI/Kevlar Earlap options; removable/washable**
D-ring Helmet Hanger	Fits on large hooks and resists bending
Removeable Chinstrap	Removable/Washable in 2pt. or 4pt. Available only in Quick Release Buckle (QRB) and Postman’s Slide (PS). See page 37 for details.

### Colors

	Black	Yellow	Red	White	Blue
N6A Houston	■	■	■	■	■
N5A New Yorker	■	■	■	■	■

\*Traditional Bourkes Eyeshield not available on N6A. \*\* Available in MSA Cairns leather fire helmets manufactured on or after Aug. 2018.

**MSA Cairns N5A New Yorker & N6A Houston Exploded View**



<b>1</b> Reflective Trim	Replacement P/N Page 61	<b>5</b> Leather Ratchet Pad	Replacement P/N Page 57	<b>9</b> Brass Crown Piece	Replacement P/N Page 61
<b>2</b> Chinstrap	55	<b>6</b> Faceshield Hardware	56	<b>10</b> Foam Adjustment Kit	57
<b>3</b> Ratchet Headband System	57	<b>7</b> Face/Eye Protection	56	<b>11</b> Foam Crown Pad	57
<b>4</b> Liner/Earlap	58	<b>8</b> Front Holder	59		

# MSA Cairns Leather Helmets

## MSA Cairns Leather Helmets

### Assemble-to-Order (ATO) Selection Matrix

#### A Model

- 1 N6A Houston, Standard Bend
- 3 N5A New Yorker, Standard Bend<sup>[1]</sup>
- 5 G5A Presentation<sup>[1]</sup>
- 6 G64 Presentation<sup>[1]</sup>
- 7 N6A Houston, Bronx Bend
- 8 N5A New Yorker, Bronx Bend<sup>[1]</sup>
- A N6A Houston, Boston Bend
- B N5A, New Yorker, Boston Bend<sup>[1]</sup>

#### B Color

- 1 Black
- 2 Red
- 3 Blue
- 4 White
- 5 Yellow
- 7 Natural<sup>[1]</sup>

#### C Size

- 1 Medium
- 2 Large

#### D Eye/Face Protection

- 0 None<sup>[1]</sup>
- 1 4" Tuffshield<sup>[3]</sup>
- 4 ESS Innerzone 3 Goggle System
- 5 ESS Innerzone 2 Goggle System with low-profile snap on/snap off hardware<sup>[1]</sup>
- 9 ESS Innerzone 2 Goggle System with side-mounting snap on/snap off hardware
- M NFPA Compliant Bourkes
- A NFPA Compliant Bourkes & Innerzone 3 Goggle
- B NFPA Compliant Bourkes & Innerzone 2 with side-mounting hardware
- C Traditional Bourkes<sup>[1][2]</sup>
- D Traditional Bourkes & Innerzone 3 Goggle<sup>[1][2]</sup>
- E Traditional Bourkes & Innerzone 2 with side-mounting hardware<sup>[1][2]</sup>

#### E Removable/Washable Earlaps

- 4 Liner Cushion (G5A, G64 only)
- 5 Sateen liner w/Jumbo Nomex Yellow earlap
- 6 Sateen liner w/Jumbo PBI/Kevlar earlap
- 7 Sateen liner w/Jumbo Nomex Black earlap

#### F Front Holder

- 1 6" Carved Brass Eagle
- 4 6" Carved Brass Beaver
- 5 6" Carved Brass Dragon
- 7 8" Bronze Carved High Eagle (G5A, G64 only)

#### G Removable/Washable Nomex Chinstrap

- 0 None (Presentation Helmets only)
- 2 2-pt w/QuickRelease & Postman's Slide
- 4 4-pt w/Quick Release & Postman's Slide
- 5 2-pt w/Quick Release & Postman's Slide, 7.5" longer

#### H Trim Type

- 0 None<sup>[1]</sup>
- 2 Reflexite (Standard)
- 3 Scotchlite

#### I Trim Color

- 1 Lime/Yellow (standard)
- 2 White<sup>[1]</sup> (Reflexite Only)
- 3 Red/Orange<sup>[1]</sup>
- 4 Red/Orange Triple Trim (Scotchlite Only)
- 5 Lime/Yellow Triple Trim (Scotchlite Only)

#### Key

- <sup>[1]</sup> Not NFPA 1971 compliant
- <sup>[2]</sup> Traditional Bourkes are available for N5A New Yorker fire helmets ONLY.
- <sup>[3]</sup> Not available with Bronx or Boston Bend

B-LTH-

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>		<b>Qty</b>

PART NUMBER

# MSA Cairns Traditional Fire Helmets

**With MSA Cairns,  
You Get More  
than You Pay For:  
10-Year Warranty<sup>1</sup>**

We know, as do firefighters, that MSA Cairns Fire Helmets are the most durable products on the market. We back up that claim with a 10-year lifetime warranty that the products will be free from defects in materials and/or faulty workmanship.<sup>2</sup> When you factor in the quality, ease of maintenance and unique safety features found **ONLY** in MSA Cairns Fire Helmets, it's easy to see why firefighters are **fiercely loyal** to the MSA Cairns brand.

**10-Year Warranty and Terms of Sale**  
MSA Cairns® Fire Helmets

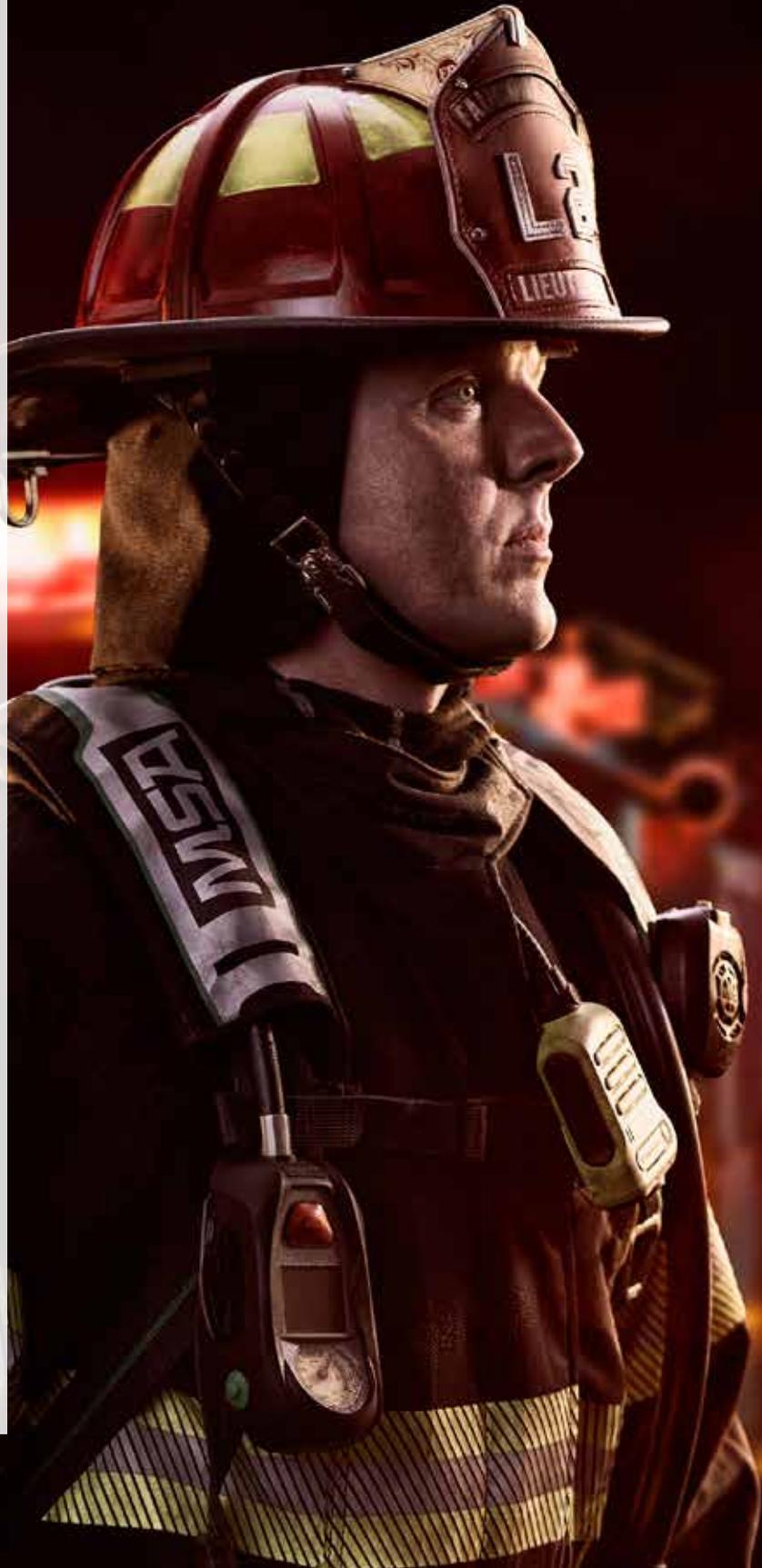
**MSA Cairns**  
The Safety Company

1. The Effective Date of this 10-Year Warranty for MSA Cairns Fire Helmets is January 1, 2015. All MSA Cairns Fire Helmets manufactured on or after January 1, 2015, shall be covered by the terms stated under this warranty. This warranty constitutes any printed or electronic warranties provided with an MSA Cairns Fire Helmet which was manufactured on or after January 1, 2015.
2. All MSA Cairns Fire Helmets manufactured on or after January 1, 2015, shall be covered by the terms stated under the previous Warranty.
3. **Express Warranty.** MSA warrants MSA Cairns Fire Helmets manufactured on or after January 1, 2015, to be free from defects in materials and/or faulty workmanship for a period of ten (10) years from the date of manufacture by MSA. This warranty applies to original assembled components of the fire helmet including shell, impact cap assembly and suspension. No agent, employee or representative of MSA has any authority to bind MSA to any other terms, representations, or warranty concerning the goods and services.
4. **Limited Warranty.** Items designed for normal wear such as reflective tape, ear tabs, goggles, face shields and chinstraps are covered for one year. See "Limited Warranty and Terms of Sale" (MSA-115-MC) for warranty details on these products.
5. **Release of Obligations.** MSA shall be released from all obligations under this warranty in the event that repair, replacement or modification of the fire helmet is sold by MSA or made by someone other than its agent or authorized service personnel or if the warranty claim results from accident, alteration, misuse, abuse, or normal wear. MSA makes no warranty concerning replacement components, i.e., one that was not part of the original assembled or non-certified assembly, but will pass on to the purchaser all warranties of manufacturers of such components.
6. **MSA Cairns Fire Helmets cover the various NFPA 1971 standards. Testing and recovery services (e.g., Refurbish and/or High Heat Repair) that damage the fire helmet. To avoid such damage, always use an authorized helmet store designed to work with applicable MSA Cairns Fire Helmets. Any heat damage to a fire helmet during training without an aluminum cover will void all warranties. Helmets require no break-in.**
6. **Exclusive Remedy.** It is expressly agreed that the Purchaser's sole and exclusive remedy for breach of the above warranty for any defect consistent with MSA, or for any other cause of action, shall be the repair and/or replacement of MSA products, at the option of MSA, or parts thereof, that after examination by MSA are proven to be defective. Replacement equipment and/or parts will be provided at no cost to the Purchaser (i.e., Distribution, Freight, Postage, for the Purchaser's normal destination). Failure of MSA to successfully repair any component(s) and/or cause the remedy established hereby to be of no practical purpose.
7. **Exclusion of Accessories.** MSA Cairns Fire Helmets accessories made available for purchase by MSA are not part of the certified product and are excluded from this warranty. MSA Cairns Fire Helmets accessories include but are not limited to face guards, heat protective linings, and Traditional Buckles. See "Limited Warranty and Terms of Sale" (MSA-115-MC) for warranty details on these products.
8. **Exclusion of Consequential Damages.** Purchaser specifically understands and agrees that under no circumstances will MSA be liable to the Purchaser for economic, special, incidental, or consequential damages or loss of any kind whatsoever, including but not limited to, loss of anticipated profits and any other loss caused by reason of the non-operation of the goods. This exclusion is applicable to claims for breach of warranty, breach of contract or any other cause of action against MSA. This warranty to the best of all other warranties, express, implied or statutory, and is strictly limited to the terms herein. MSA specifically disclaims any warranty of merchantability or fitness for a particular purpose. In addition, MSA expressly disclaims any liability for economic, special, incidental, or consequential damages in any way connected with the sale or use of MSA products, including, but not limited to, loss of anticipated profits.
9. MSA reserves the right to review and update the warranty terms, as needed, to comply with applicable laws or standards.

Made in the USA © 2015 MSA  
MSAFire.com

<sup>1</sup>10-year warranty applies only to MSA Cairns helmets manufactured on or after January 1, 2015. For details on MSA Cairns Fire Helmet warranties, please see [MSAFire.com](http://MSAFire.com).

<sup>2</sup>Limitations apply. See any MSA fire helmet product web page for details at [MSAFire.com](http://MSAFire.com).



## MSA Cairns Traditional Fire Helmets

Offer the most comprehensive impact and thermal head protection system, from top to bottom.

### 1 IMPACT CAP

- **Newly Designed Anchor Base System** — First of its kind on the market! No specific tool needed for disassembly and reassembly. Patent-pending Slide-Lok system allows for disassembly and reassembly faster than previous traditional helmet designs and helmets from other manufacturers, allowing for easier cleaning and inspection.
- **NEW Laser Etching for Labels** — Helmet information and certifications etched onto impact cap, removing possibility of labels wearing out and/or falling out of helmet.
- **Built-in RFID** — Experience easy integration into the FireGrid™ ecosystem, allowing for easy monitoring of helmet lifecycle, operating efficiencies, and standards compliance.

### 2 DEFENDER® VISOR

- **NEW Articulating Defender® Visor** — Retractable and articulating eyewear system stows neatly, cleanly, and securely inside the helmet.
- **Easy to Use** — Deploys quickly, even with gloved hand.
- **Quick Attachment and Detachment** — Connects and disconnects quickly, without needing any tools, for easy cleaning and inspection.

### 3 SOFT GOODS

- **Enhanced Design** — Design of soft goods makes them easy to remove and clean, helping firefighters align with NFPA 1851 guidelines.
- **Enhanced Durability** — Design uses few hook and loop fasteners for soft goods durability.
- **Enhanced Comfort** — Headband and cushion liner designed to help reduce pressure points during prolonged wear, based on customer feedback.
- **Earlaps** — Quickly connect through series of four quick-connect fasteners, aiding in preventing bunching of earlaps.
- **Easy Chinstrap Removal** — Snaps into place and easily removes for cleaning and inspections.



*\* Available as a replacement part, as well as on any MSA Cairns Fire Helmet manufactured on or after Jan. 1, 2020.*

### 4 HELMET SHELL

- **Protective Design** — Built with fiberglass composite, consisting of a high-temperature, flame and chip-resistant “through-colored” thermoset resin, reinforced with 1” and 2” chopped fiberglass.
- **Lightweight Design** — With a 42% reduction in helmet parts, the helmet is one of the lightest on the market, weighing in at only 3.35 lb./53.6 oz. (1.52 kg).
- **Large D-ring and Clamp** — Large D-ring for easy storage or hanging accountability tags. Large clamp design grips edge securely and aids in preventing displacement.
- **NEW Fronts and Front Holders** — Five new 5.5” front style choices added, customizable with department identification and new 5.5” front holder options, or carry on the tradition with 6” front and front holder options.
- **NEW Ride Height Options** — Three total ride height adjustments with new half-inch lower ride height helps provide excellent comfort and balance.
- **Customizable** — Available in 8 colors, 4 unpainted matte finish options and 8 painted high-luster finishes.

### 5 SUSPENSION SYSTEM

- **Proven Shell Release System** — Unique design feature enables energy-absorption system to be released from the helmet shell when impacted from below the brim, leaving the energy-absorption assembly on the wearer’s head for continued thermal and impact protection.
- **Standard 6-point** — For comfort and safety, attached to the impact cap assembly by means of location-specific rigid plastic clips that lock the straps into the impact cap assembly.
- **Quick Assembly and Disassembly** — Suspension straps connect through a series of 6 quick-connect fasteners without needing any specific tools.



## Cairns Traditional Helmets

### 1836

*For Structural & Proximity Firefighting*

- New-to-market Traditional Fire Helmet
- Certified NFPA 1971 — Structural
- Painted high-luster finish
- Unpainted matte finish
- Hat Size: 5 $\frac{3}{8}$  – 8 $\frac{3}{8}$

MSA Cairns 1836  
(shown without eye protection)



MSA Cairns 1836  
(shown with NFPA  
Bourkes Eyeshield)

## Features & Benefits

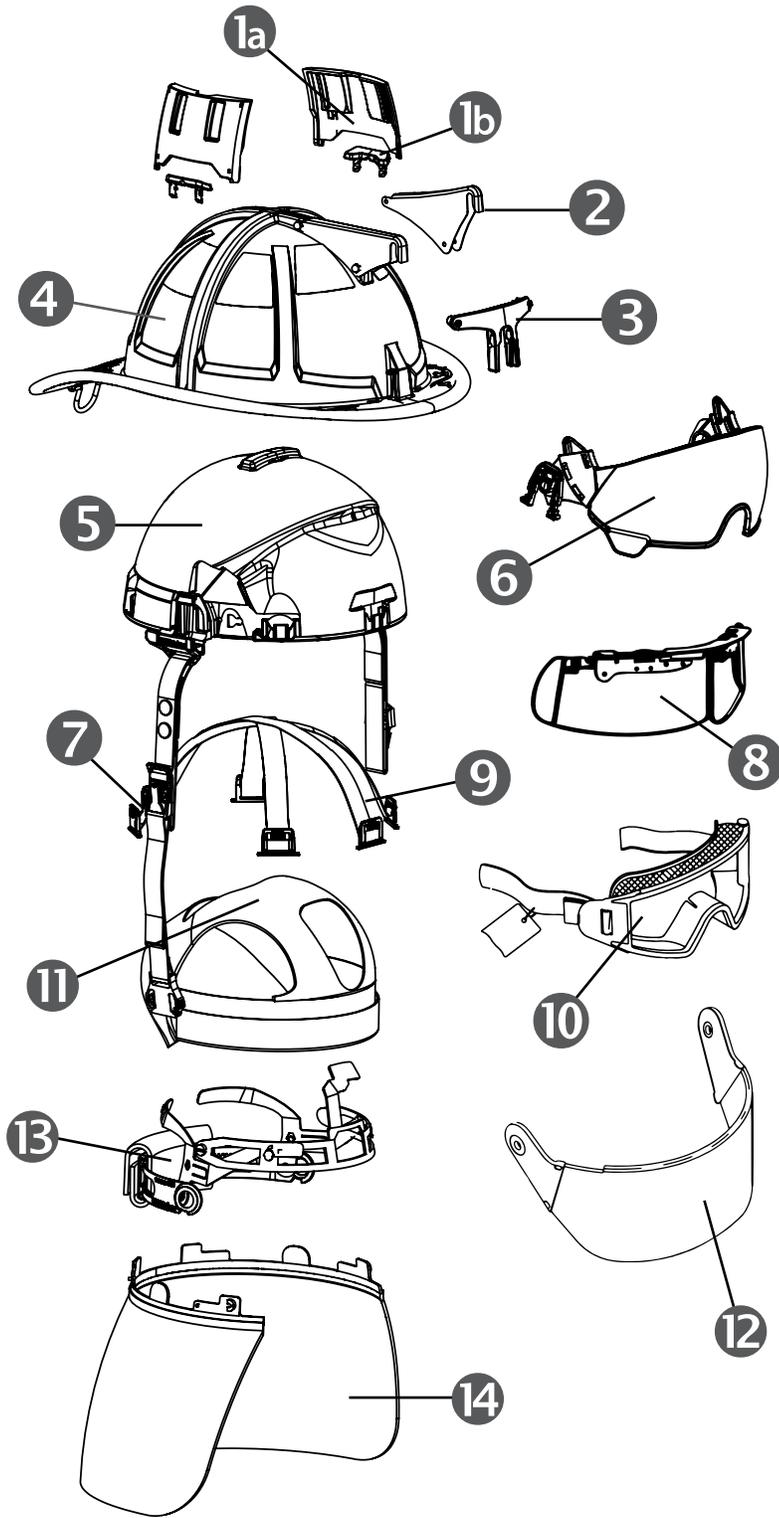
FEATURES	BENEFITS
<b>Impact/Thermal Cap</b>	The impact cap energy-absorption system is designed to help provide increased thermal, acceleration, attenuation, and impact protection.
<b>Warranty</b>	<b>10 years</b>
<b>Made in the U.S.A.</b>	<b>Yes (Berry Compliant)</b>
<b>Through-color Fiberglass Composite shell</b>	High-temperature, flame and chip-resistant “through-colored” thermoset resin, reinforced with 1-inch and 2-inch chopped fiberglass maintains color even after taking a beating on the fireground
<b>Available colors</b>	Unpainted matte — white, red, black, yellow Painted — white, red, black, yellow, blue, green, orange, pink
<b>Painted high-luster - white, red, black, yellow, blue, green, orange, pink</b>	Retain your impact cap, suspension system and earlaps if your helmet shell is torn away during a fall or structural collapse
<b>Retractable and Articulating Defender Visor</b>	Stows neatly, cleanly, and securely inside the helmet and deploys quickly, even with gloved hand. Connects or disconnects without needing any tools.
<b>Shell Release System</b>	Retain your impact cap, suspension system and earlaps if your helmet shell is torn away during a fall or structural collapse
<b>Crumple-Zone Front Holder</b>	Designed to collapse on impact and lessen the impact force
<b>Pivoting Nape/Ratchet</b>	Permits customization for a variety of head sizes/shapes and increases comfort
<b>Adjustable Headband Height</b>	Up to 18 different height adjustment configurations, including new 0.5" lower ride height option, help users find the perfect fit between head, helmet, and SCBA. New design capable of accommodating 95% of firefighters
<b>Head Size Accommodated</b>	<b>5% – 8%</b>
<b>Embossed Helmet Brim</b>	Oak vine pattern ties helmet to 180+ years of MSA Cairns helmet design tradition (and includes a hidden gem)
<b>D-Ring Hanger</b>	For easy storage or hanging accountability tags. Large clamp design grips edge trim securely and prevents displacement.
<b>Removable/Washable Nomex Chinstrap</b>	Easily remove chinstrap for cleaning or inspection

## Colors Colors shown are approximate.

	Black	Yellow	Red	White	Orange	Blue	Pink	Green
MSA Cairns 1836	■	■	■	■	■	■	■	■

# MSA Cairns Traditional Helmets

## 1836 Exploded View



		Replacement P/N Page
<b>1a</b>	Accountability Bracket (optional)	61
<b>1b</b>	Anchor Base	61
<b>2</b>	Front Holder (5.5" or 6" option)	59
<b>3</b>	Front Bracket	59
<b>4</b>	Shell	—
<b>5</b>	Impact Cap	55
<b>6</b>	Defender Visor	56
<b>7</b>	Chinstrap	55
<b>8</b>	NFFPA Bourkes	56
<b>9</b>	Suspension	57
<b>10</b>	Goggles	56
<b>11</b>	Cushion Liner	54
<b>12</b>	4" Faceshield	56
<b>13</b>	Ratchet Headband System	57
<b>14</b>	Earlap	56

## MSA Cairns 1836 Helmets

### Assemble-to-Order (ATO) Selection Matrix

#### A Model (Shell)

- A Unpainted
- B Painted
- C Unpainted w/ Accountability Bracket
- D Painted w/ Accountability Bracket

#### B Shell Color

- B Black
- R Red
- W White
- Y Yellow
- C Blue <sup>[1]</sup>
- G Green <sup>[1]</sup>
- O Orange <sup>[1]</sup>
- P Pink <sup>[1]</sup>

#### C Eye/Face Protection

- A Defender Integrated Visor (Clear)
- B Defender Integrated Visor (Amber Tuffshield)
- C NFPA Bourkes
- D 4" Faceshield Visor (Amber Tuffshield)
- E ESS Innerzone 2 Goggle with Side-Mount Hardware
- F ESS Innerzone 3 Goggle
- G ESS Innerzone 2 Goggle with Low-Profile Hardware

#### D Additional Eye Protection

- O None
- A Defender Integrated Visor (Clear)
- B Defender Integrated Visor (Amber Tuffshield)
- C NFPA Bourkes
- D 4" Faceshield Visor (Amber Tuffshield)
- E ESS Innerzone 2 Goggle with Side-Mount Hardware
- F ESS Innerzone 3 Goggle
- G ESS Innerzone 2 Goggle with Low-Profile Hardware

#### E Headband Liner

- A Standard Comfort
- B Leather

#### F Earlaps

- A Yellow Nomex
- B Black Nomex
- C PBI/Kevlar

#### G Front Holder

- A 5.5" Printed Eagle
- B 5.5" Carved Eagle
- C 5.5" Printed Maltese Cross
- D 6" Printed Eagle
- E 6" Carved Eagle
- F 6" Printed Maltese Cross

#### H Removable/Washable Nomex Chinstrap

- A QRB and Postman's Slide
- B QRB and Postman's Slide, Extra Long Center
- C Postman's Slide Extra Long Center
- D QRB and Postman's Slide, Shorter Center
- E QRB and Slide 4-point

#### I Trim Type

- A Reflexite
- B Scotchlite

#### J Trim Color

- A Lime Yellow (Scotchlite or Reflexite<sup>[2]</sup>)
- B Lime Yellow Triple Trim (Scotchlite only)
- C Red Orange Triple Trim (Scotchlite only)
- D Red Orange (Scotchlite only)

#### K Accessory Type

- O None
- A Goggle Sleeve

#### Key

- <sup>[1]</sup> Available on painted shells only
- <sup>[2]</sup> Reflexite is Standard

A-1836-

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>		<b>Qty</b>

PART NUMBER

# MSA Cairns Traditional Helmets

## 1010 & 1044

### For Structural & Proximity Firefighting

- Two of our most popular MSA Cairns fire helmet models:
  - 1010: painted high-luster finish
  - 1044: unpainted matte finish
- Certified to NFPA 1971 (Structural and Proximity)
- Certified for proximity firefighting (with bonnet, shroud and gold-coated face shield)
- Hat sizes: 6¾ to 8¾



MSA Cairns 1010  
(shown with NFPA Bourkes Eyeshield)



MSA Cairns 1044  
(shown with Defender Visor)

## Features & Benefits

FEATURES	BENEFITS
<b>Impact/Thermal Cap</b>	Provides thermal and impact protection through an impact-resistant polymer liner covered by a high-temperature, energy-absorbing urethane foam
<b>Warranty</b>	<b>10 years<sup>1</sup></b>
<b>Made in the U.S.A</b>	<b>Yes (Berry Compliant models)</b>
<b>Through-color Fiberglass Composite Shell<sup>2</sup> (1044-unpainted/1010-painted)</b>	Maintains color even after taking a beating on the fireground
<b>Available Colors</b>	1044 – black, yellow, red, white, blue 1010 – black, yellow, red, white, orange, blue, pink, green
<b>Retractable Defender Visor (installed or enabled)</b>	Deploys easily when you need it, stores securely inside your helmet shell when you don't. Impact cap comes with upgrade hardware built right in!
<b>Shell Release System (SRS)</b>	Retain your impact cap, suspension system and earlaps if your helmet shell is torn away during a fall or structural collapse
<b>Crumple-Zone Front Holder<sup>3</sup></b>	Designed to collapse on impact to lessen the impact force
<b>Adjustable Nape Height</b>	Three ratchet height positions easily adjusted with the nape arm/speedy button mechanism
<b>Adjustable Headband Height</b>	Helps to provide a perfect fit between your helmet and SCBA mask
<b>Head Size Accommodated</b>	<b>6¾ to 8¾"</b>
<b>Embossed Helmet Brim</b>	Oak vine pattern ties the helmet to 180+ years of MSA Cairns helmet design tradition
<b>D-Ring Helmet Hanger</b>	Fits on large hooks and resists bending
<b>Removable/washable Nomex Chinstrap Options</b>	Removable/Washable in 2pt. or 4pt. Available only in Quick Release Buckle (QRB) and Postman's Slide (PS). See page 37 for details.

## Colors Colors shown are approximate.

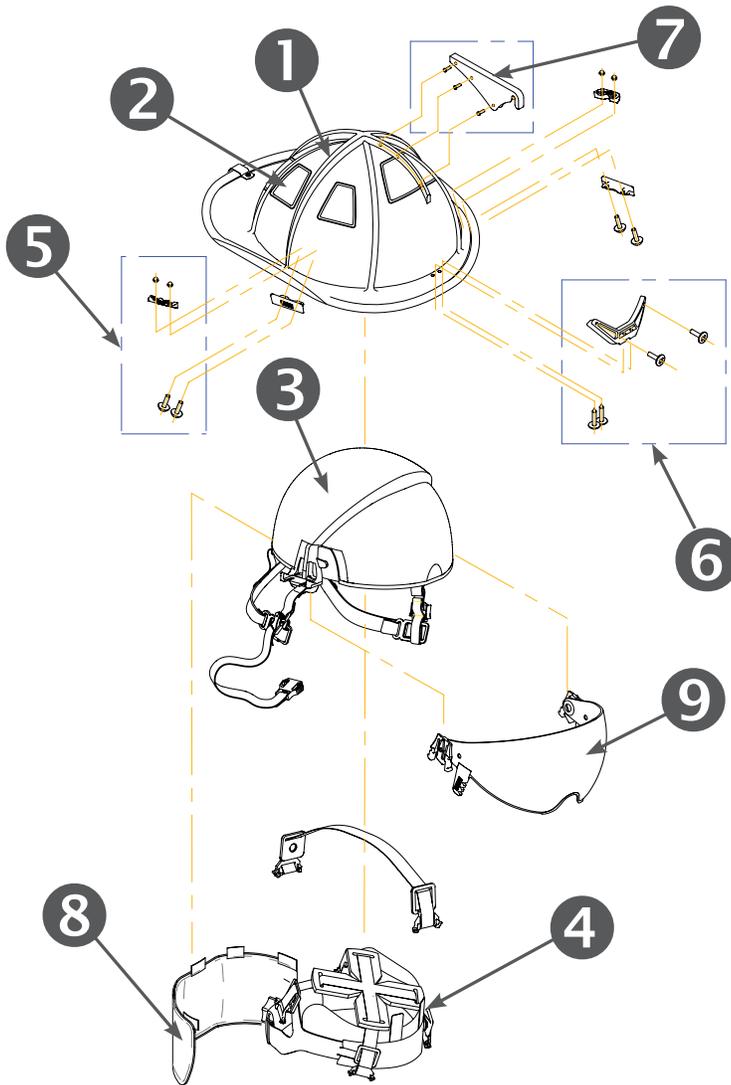
	Black	Yellow	Red	White	Orange	Blue	Pink	Green
MSA Cairns 1010	■	■	■	■	■	■	■	■
MSA Cairns 1044	■	■	■	■				

<sup>1</sup>Helmets manufactured before January 1, 2015 have a limited five year warranty. For details on both warranty policies, please see [www.MSAFire.com](http://www.MSAFire.com). Limitations apply.

<sup>2</sup>Through color is present on blue, red, white and yellow. All others are painted over a white shell.

<sup>3</sup>Crumple zone front holders are designed to absorb energy from an impact.

### 1010 & 1044 (w/Defender) Exploded View



	Replacement P/N Page
1 Shell	—
2 Reflective Trim	61
3 Impact Cap/Chinstrap	55
4 Ratchet Headband System	57
5 Faceshield Hardware	56
6 Front Mounting Bracket	59
7 Front Holder	59
8 Earlap	58
9 Face/Eye Protection	56

### Select 1010 & 1044 Helmets available on the program

We offer our most popular MSA Cairns products in our Stock-Order-Ship (SOS) program. If your SOS order is entered by 2:30 PM, the product ships the same day from our warehouse in Pittsburgh, PA. See page 53–54 for details.

# MSA Cairns Traditional Helmets

## 880 Tradition™

### For Structural Firefighting

- Lightweight thermoplastic shell
- Lowest profile traditional helmet
- Accommodates the greatest number of smaller head sizes than any MSA Cairns Fire Helmet
- Certified to NFPA 1971 (Structural)
- Hat sizes: 5% to 7%



MSA Cairns 880  
with NFPA Bourkes Eye Shield

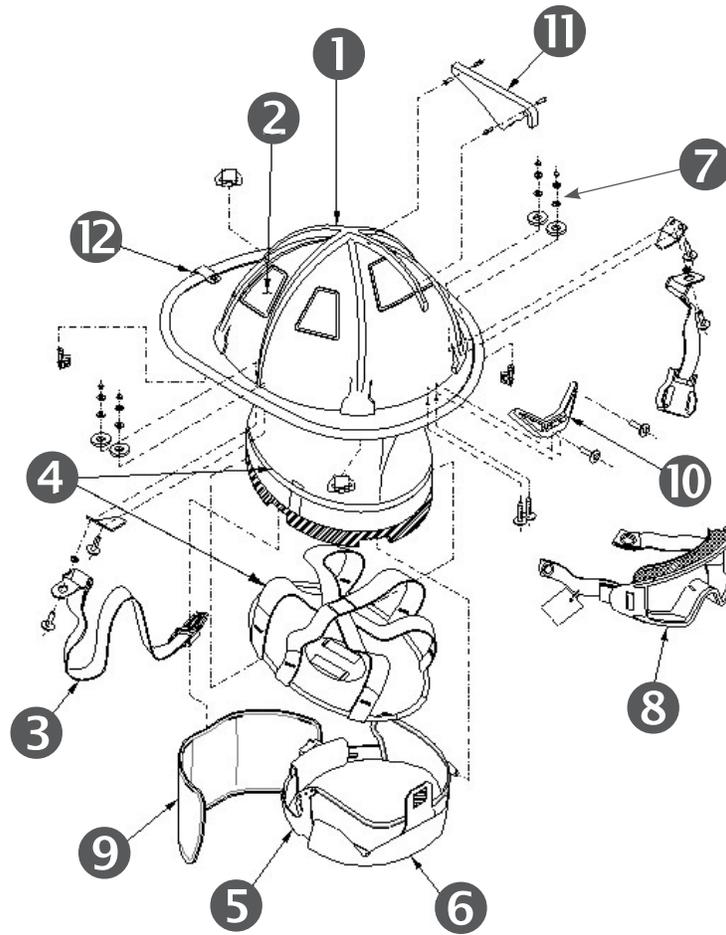
## Features & Benefits

FEATURES	BENEFITS
Through-color Thermoplastic Shell	Maintains its color even after taking a beating on the fireground
Impact Cap	Provides thermal and impact protection when you need it most
Tube Lock System	Helps protect you from injury by transmitting energy from the suspension to its support and the surrounding foam
Crumple-zone Front Holder	Designed to collapse on impact to lessen the impact force
Adjustable Nape Height	Three ratchet height positions to maximize comfort
Adjustable Headband Height	Helps to provide a perfect fit between your helmet and SCBA mask
Embossed Helmet Brim	Oak vine pattern ties the helmet to over 180 years of MSA Cairns helmet design tradition
D-ring Helmet Hanger	Fits on large hooks and resists bending
Removable/washable Nomex Chinstrap	Removable/Washable in 2pt. only. Available only in Quick Release Buckle (QRB) and Postman's Slide (PS). See page 37 for details.

## Colors

	Black	Yellow	Red	White	Orange	Blue
880 Tradition	■	■	■	■	■	■

**880 Tradition Exploded View**



	<i>Replacement P/N Page</i>		<i>Replacement P/N Page</i>
<b>1</b> Helmet Shell	—	<b>7</b> Faceshield Hardware	56
<b>2</b> Reflective Trim	61	<b>8</b> Eye Protection	56
<b>3</b> Chinstrap	55	<b>9</b> Earlap	58
<b>4</b> Impact Cap and Suspension	55	<b>10</b> Front Mounting Bracket	59
<b>5</b> Ratchet Headband System	57	<b>11</b> Front Holder	59
<b>6</b> Cushions	57	<b>12</b> Edge Trim/Helmet Hanger	61

# MSA Cairns Traditional Helmets

## MSA Cairns 1010, 1044, and 880 Tradition Helmets

### Assemble-to-Order (ATO) Selection Matrix

#### A Model

1	1010
2	1010 ACCT
5	880 Tradition
7	1044
8	1044 ACCT

#### B Color

1	Black
2	Red
3	Blue <sup>[1]</sup>
4	White
5	Yellow
6	Orange <sup>[1]</sup>
7	Green <sup>[1]</sup>
8	Pink <sup>[1]</sup>

#### C Eye/Face Protection

1	4" Tuffshield
2	Cairns 550 Goggles
4	ESS Innerzone 3 Goggles
5	ESS Innerzone 2 Goggles w/ low profile hardware
8	6" Gold-Coated Faceshield <sup>[5][2]</sup>
B	Defender Visor, Clear <sup>[2]</sup> Defender
C	Defender Visor, Amber Tuffshield <sup>[2]</sup>
E	ESS Innerzone 2 w/sidemount hardware
M	NFPA compliant Bourkes

#### D Headband Liners

1	Economy Flannel <sup>[3]</sup>
2	Standard Flannel
3	Deluxe Leather w/Crown Pad, 880
4	Deluxe Leather, 1010/ 1044

#### E Earlaps

1	Yellow Nomex
2	Yellow Nomex w/Underchin Extension
3	PBI/Kevlar
A	Black Nomex
B	Black Nomex w/Underchin Extension

#### F Front Holder

0	None
1	6" Carved Brass Eagle
2	6" Silk Screened Eagle
3	6" Silk Screened Maltese Cross
6	6" Carved Brass Beaver <sup>[2]</sup>
7	6" Carved Brass Dragon <sup>[2]</sup>

#### G Removable/ Washable Nomex Chinstrap

2	2-Pt w/Quick Release & Postman's Slide
4	4-Pt w/Quick Release & Postman's Slide <sup>[2]</sup>
5	2-Pt w/Quick Release & Postman's Slide, 7.5" longer
6	2-Pt Nomex Ex LG PST Slide

#### H Trim Type

0	None <sup>[4]</sup>
2	Reflexite (standard)
3	Scotchlite

#### I Trim Color

1	Lime/Yellow (standard)
2	White <sup>[4]</sup> (Reflexite only)
3	Red/ Orange <sup>[4]</sup>
4	Blue <sup>[4]</sup> (Reflexite only)
5	Red/Orange Triple Trim (Scotchlite only)
6	Lime/Yellow Triple Trim (Scotchlite only)

#### K Additional Eye/Face Protection

0	None
1	4" Tuffshield
2	Cairns 550 Goggles
4	ESS Innerzone 3 Goggles
5	ESS Innerzone 2 Goggles w/ low profile hardware
8	6" Gold-Coated Faceshield <sup>[2]</sup>
B	Defender Visor, Clear <sup>[2]</sup> Defender
C	Defender Visor, Amber Tuffshield <sup>[2]</sup>
E	ESS Innerzone 2 w/side mount hardware
M	NFPA compliant Bourkes
N	Low-Profile Hardware Only

#### L Accessory Type

0	None
A	LCP Crown Pad w/ standard liner(880)
B	LCP Crown Pad w/ economy liner(880)
D	Goggle Sleeve

#### Key

- <sup>[1]</sup> Not available on 1044
- <sup>[2]</sup> Not available with 880 Tradition
- <sup>[3]</sup> Available with 880 Tradition only
- <sup>[4]</sup> Not NFPA 1971 compliant
- <sup>[5]</sup> Compliant to NFPA 1971 Proximity Firefighting ONLY.
- <sup>[6]</sup> Not NFPA-1971 compliant when used with a Front Holder

C-TRD-											A			
	A	B	C	D	E	F	G	H	I	J	K	L		Qty

PART NUMBER

# MSA Cairns Modern Fire & Rescue Helmets



## MSA Cairns Modern Fire & Rescue Helmets

### 660C Metro & Invader 664

*For Structural & Proximity Firefighting*

- Two most popular modern helmet models:
  - 660C: painted high-luster finish
  - 664: unpainted matte finish
- Sleek, low-profile design
- Certified to NFPA 1971 (Structural and Proximity)
  - Certified for proximity firefighting (with bonnet, shroud, and gold-coated faceshield)
  - Hat sizes: 6 $\frac{3}{8}$  to 8 $\frac{3}{8}$
  - Accommodates largest head sizes of any MSA Cairns Fire Helmet



MSA Cairns 660C Metro (shown with Defender visor)



MSA Cairns Invader 664 (shown with Defender visor)

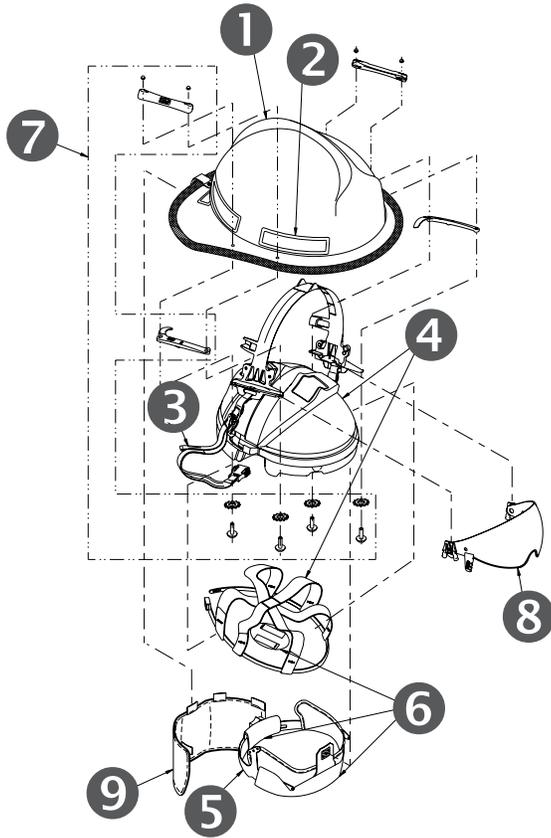
### Features & Benefits

FEATURES	BENEFITS
Through-color Fiberglass Composite Shell	Maintains its color even after taking a beating on the fireground
Impact Cap	Provides thermal and impact protection when you need it most
Shell Release System	Retain your impact cap and earlaps if your helmet shell is torn away during a fall or structural collapse
Defender Visor Retractable Eye Protection	Deploys easily when you need it, stores securely inside your helmet shell when you don't
Adjustable Nape Height	Three ratchet height positions to maximize comfort
Adjustable Headband Height	Helps to provide a perfect fit between your helmet and SCBA mask
D-ring Helmet Hanger	Fits on large hooks and resists bending
Removable/washable Nomex Chinstrap	Removable/Washable in 2pt. only. Available only in Quick Release Buckle (QRB) and Postman's Slide (PS). See page 37 for details.

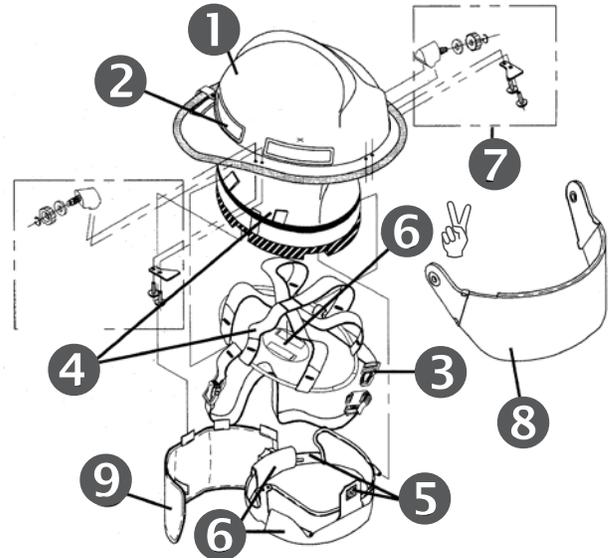
### Colors

	Black	Yellow	Red	White	Orange	Blue	Green	Pink
660C Metro	■	■	■	■	■	■	■	■
Invader 664	■	■	■	■				

**660C Metro Defender  
& Invader 664 Defender Exploded View**



**660C Metro & Invader 664 Exploded View**



	<i>Replacement P/N Page</i>		<i>Replacement P/N Page</i>		<i>Replacement P/N Page</i>
<b>1</b> Helmet Shell	—	<b>4</b> Impact Cap and Suspension	55	<b>7</b> Faceshield Hardware	56
<b>2</b> Reflective Trim	61	<b>5</b> Ratchet Headband System	57	<b>8</b> Face/Eye Protection	56
<b>3</b> Chinstrap	55	<b>6</b> Cushions	57	<b>9</b> Earlap/Protective Hood	58
		<b>6</b> Crown Pad	57		

**Select 660C & 664 Fire Helmets available on the  program**

We offer our most popular MSA Cairns products in our Stock-Order-Ship (SOS) program. If your SOS order is entered by 2:30 PM, the product ships the same day from our warehouse in Pittsburgh, PA. See page 53-54 for details.

# MSA Cairns Modern Fire & Rescue Helmets

## Commando HP3

*For Structural Firefighting & USAR*

- Sleek, low profile design
- Same shell as 660C with back watershed trimmed off
- Lightest fiberglass helmet
- Painted high-luster finish
- Certified to NFPA 1971 & 1951
- Hat sizes: 6¾ to 8¾



(shown with Defender visor)

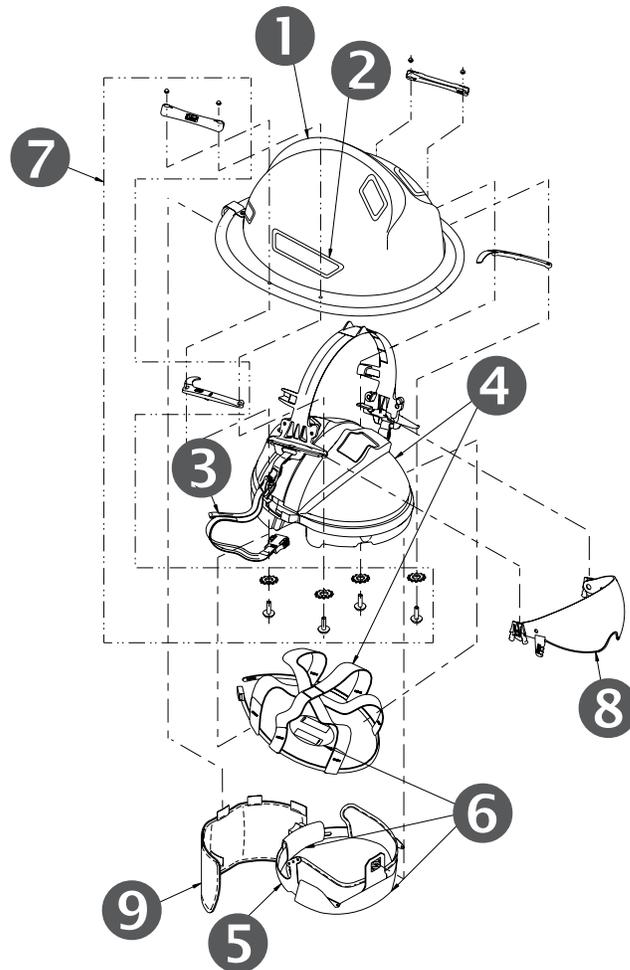
## Features & Benefits

FEATURES	BENEFITS
Through-color Fiberglass Composite Shell	Maintains its color even after taking a beating on the fireground
Impact Cap	Provides thermal and impact protection when you need it most
Defender Visor Retractable Eye Protection	Deploys easily when you need it, stores securely inside your helmet shell when you don't
Adjustable Nape Height	Three ratchet height positions to maximize comfort
Adjustable Headband Height	Helps to provide a perfect fit between your helmet and SCBA mask
D-ring Helmet Hanger	Fits on large hooks and resists bending
Removable/washable Nomex Chinstrap	Removable/Washable in 2pt. or 4pt. Available only in Quick Release Buckle (QRB) and Postman's Slide (PS). See page 37 for details.

## Colors

	Black	Yellow	Red	White	Orange	Blue	Green
Commando HP3	■	■	■	■	■	■	■

## Commando HP3 Defender Exploded View



	<i>Replacement P/N Page</i>		<i>Replacement P/N Page</i>
<b>1</b> Helmet Shell	—	<b>6</b> Cushions	57
<b>2</b> Reflective Trim	61	<b>7</b> Faceshield Hardware	56
<b>3</b> Chinstrap	55	<b>8</b> Face/Eye Protection	56
<b>4</b> Impact Cap and Suspension	55	<b>9</b> Earlap	58
<b>5</b> Ratchet Headband System	57		

# MSA Cairns Modern Fire & Rescue Helmets

## Structural 360S Thermoplastic Helmets

### For Structural Firefighting

- Lightweight, low-profile design
- Thermoplastic outer shell
- Structural 360S certified to NFPA 1971
- Hat sizes: 6¾ to 7¾



MSA Cairns Structural 360S  
(shown with ESS Innerzone 3 Goggles)

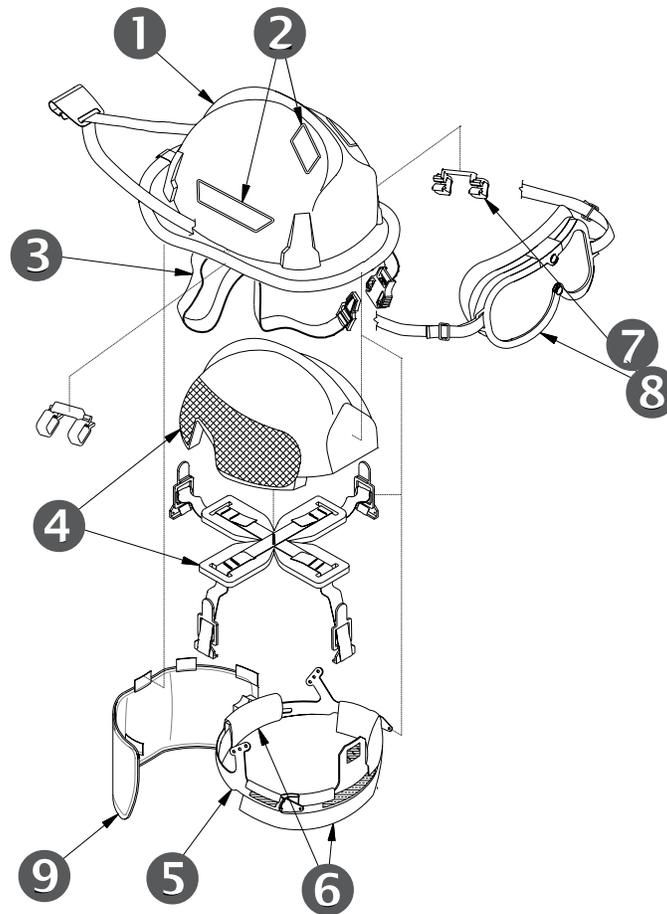
### Features & Benefits

FEATURES	BENEFITS
Through-color Thermoplastic Shell	Maintains its color even after taking a beating on the fireground
Impact Cap	Provides thermal and impact protection when you need it most
Adjustable Nape Height	Three ratchet height positions to maximize comfort
Adjustable Headband Height	Helps to provide a perfect fit between your helmet and SCBA mask
D-ring Helmet Hanger	Fits on large hooks and resists bending
Removable/washable Nomex Chinstrap	Removable/Washable in 2pt. or 4pt. Available only in Quick Release Buckle (QRB) and Postman's Slide (PS). See page 37 for details.

### Colors

	Black	Yellow	Red	White	Orange	Blue
360 Series	■	■	■	■	■	■

## Structural 360S Exploded View



	<i>Replacement P/N Page</i>		<i>Replacement P/N Page</i>
<b>1</b> Helmet Shell	—	<b>6</b> Cushions	57
<b>2</b> Reflective Trim	61	<b>7</b> Faceshield Hardware	56
<b>3</b> Chinstrap	55	<b>8</b> Face/Eye Protection	56
<b>4</b> Impact Cap and Suspension	55	<b>9</b> Earlap	58
<b>5</b> Ratchet Headband System	57		



# MSA Cairns Jet-Style Fire Helmets



# MEETING FIREFIGHTER NEEDS: BENEFITS OF THE CAIRNS XF1



## REDUCED SNAGS

The Cairns XF1 has been engineered as much for comfort and fit as safety. The most obvious feature is what it lacks—the Cairns XF1 is brimless. While untraditional, the lack of a brim makes it easier to crawl into tight spaces and retain your helmet.



## INTEGRATED ACCESSORIES

The Cairns XF1 offers several optional accessories, like a secondary (ocular) visor, lighting, and communications. All are integrated seamlessly into the design, retaining its sleek profile.<sup>1</sup>



## EASY TO CLEAN

The modular design of the Cairns XF1 allows it to be quickly disassembled for thorough inspection, care and maintenance. Plus, the helmet's soft goods are removable, washable and replaceable—all without the use of tools.



## LIGHTING THE WAY

This compact light accessory is housed inside the helmet, reducing exposure to heat, flames, and impact. The strategic placement of LED lights on either side of the helmet improves visibility in dark conditions without detracting from others' vision.



## PERSONALIZED FIT

Several easy-to-find adjustments can be made enabling the fire helmet fit to be customized to the individual. When it's all said and done, the Cairns XF1 doesn't just fit firefighters—it fits most of them comfortably.<sup>2</sup>



## CUSTOMIZED LOOK

The Cairns XF1 is available in four colors, black, white, yellow, and red, and two finishes, matte and glossy, for firefighters to choose a look that fits their style. Front plates, in a variety of colors, black pre-printed and custom printed options, are available.

<sup>1</sup> Accessories are not certified to NFPA; however, their addition to the helmet does not affect NFPA compliance.

<sup>2</sup> This information is based on Beta trial of 250 participants with various facepieces, including competitor SCBA.

# MSA CAIRNS XF1 ACCESSORIES

*MSA offers a variety of integrated accessories designed to maximize available headroom while minimizing snag hazards.*



**CUSTOMIZED  
FRONT PLATE**



**INTEGRATED  
OCULAR VISOR**



**LIGHT MODULE**



**COMMUNICATION  
HEADSET**

# MSA Cairns Modern Fire & Rescue Helmets

## Cairns XF1 Fire Helmets



Matte Black



Matte Red



Matte White



Matte Yellow



Glossy Black



Glossy Red



Glossy White



Glossy Yellow

### Technical Data

<b>SIZE</b>	
<i>Medium</i>	Head sizes from 6½–7¾
<i>Large</i>	Head sizes from 7¾–8½
<b>WEIGHT</b>	Base helmet (with full faceshield), compliant to NFPA-1971 and NFPA 1951
<i>Medium</i>	55–57 oz. (159 +/- 30 g)
<i>Large</i>	60–62 oz. (170 +/- 30 g)
<b>FINISHES</b>	Matte Glossy
<b>APPROVALS</b>	NFPA 1971, Standard on Protective Ensembles for Structural and Proximity Fire Fighting (current edition) NFPA 1951, Standard on Protective Ensembles for Technical Rescue Incidents (current edition)
<b>SHELL</b>	High temperature thermoplastic (injection molded)
<b>IMPACT LINER</b>	Shock-absorbing polyurethane foam with aramide reinforcement
<b>CHINSTRAP</b>	Kevlar®/Nomex blend
<b>SOFT GOODS &amp; EAR COVERS</b>	Nomex
<b>FULL FACESHIELD</b>	High temperature thermoplastic with AF/AS coatings



Glossy Blue

### Colors

	Black	Red	White	Yellow	Blue*
Cairns XF1	■	■	■	■	■

\* Glossy finish only

## Helmets

MATERIAL NO.	SIZE		FINISH		COLOR					OCULAR VISOR
	MED	LARGE	MATTE	GLOSSY	BLACK	RED	WHITE	YELLOW	BLUE	
<b>SOS</b> GYM101850000-NE16	■		■		■					
GYM101850000-RD16	■		■			■				
GYM101850000-BU16	■		■				■			
GYM101850000-JC16	■		■					■		
<b>SOS</b> GYL101850000-NE16		■	■		■					
GYL101850000-RD16		■	■			■				
GYL101850000-BU16		■	■				■			
GYL101850000-JC16		■	■					■		
<b>SOS</b> GYM101850000-NA16	■			■	■					
GYM101850000-RE16	■			■		■				
GYM101850000-BA16	■			■			■			
GYM101850000-JD16	■			■				■		
GYM101850000-AA16	■			■					■	
<b>SOS</b> GYL101850000-NA16		■		■	■					
GYL101850000-RE16		■		■		■				
GYL101850000-BA16		■		■			■			
GYL101850000-JD16		■		■				■		
GYL101850000-AA16		■		■					■	
GYM111850000-NE16	■		■		■					■
GYM111850000-RD16	■		■			■				■
GYM111850000-JD16	■		■					■		■
GYL111850000-NE16		■	■		■					■
GYL111850000-RD16		■	■			■				■
GYL111850000-JD16		■	■				■			■

## Accessories/Replacement Parts

MATERIAL NO.	DESCRIPTION
<b>SOS</b> GA1484	XF1 Lighting module
<b>SOS</b> GA1087C	XF1 Ocular visor assembly
GA010002H3	XF1 Boom microphone headset
GA010002H3A	XF1 Boom microphone headset (2 speakers)
10163388	PTT for APX6000/7000
10163389	PTT for XTS5000
GA1162	XF1 Headband liner & ratchet cover kit
GA1160	XF1 Chinstrap assembly
GA1153	XF1 Reflective trim kit, lime yellow
GA1159	XF1 Ear cover
GA1172	Soft goods kit, Cairns XF1



GA1484 Lighting Module



A1087C Ocular Visor

## Front Plates

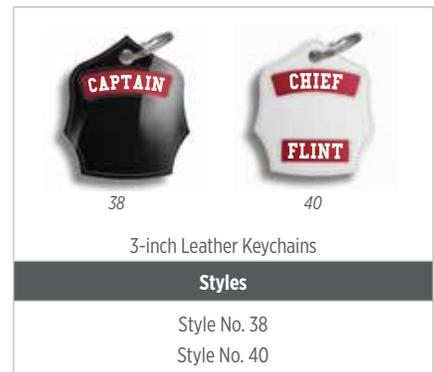
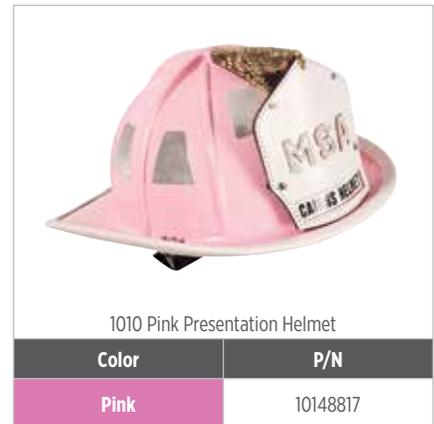


We offer our most popular MSA Cairns products in our Stock-Order-Ship (SOS) program. If your SOS order is entered by 2:30 PM, the product ships the same day from our warehouse in Pittsburgh, PA. See pages 53-54 for details.

## MSA Cairns Presentation Helmets & Keychains

- Great for any firefighter
- For display purposes only

	Front Holder		Color
 <p>G64 Leather Presentation Helmet</p>	6" Carved Brass Eagle		Natural
			White
			Yellow
			Black
			Red
		8" Carved Brass Parade Eagle	White
			Natural
	Front Holder	Size	Color
 <p>G5A Leather Presentation Helmet</p>	6" Carved Brass Eagle	Large	Natural
		Large	White
		Large	Yellow
		Large	Black
		Large	Red
		Medium	Natural
		Medium	White
		Medium	Yellow
	Medium	Black	
	8" Carved Brass Parade Eagle	Large	Natural
		Large	White
		Large	Black
		Large	Red
Large		Blue	
	Medium	White	
	Front Holder	Color	Part No.
 <p>880 Tradition Presentation Helmet</p>	6" Silk-screened Eagle	White	10052929
		Yellow	10052930
		Black	10052925
		Red	10052928
		Blue	10052926
		Orange	10052927
	6" Silk-screened Maltese Cross	White	10052935
		Yellow	10052936
		Black	10052931
		Red	10052934
	Blue	10052932	
	Orange	10052933	



To order leather presentation helmets, see the **Leather Helmet Assemble-to-Order (ATO) Matrix** on page 12.

## MSA Cairns Components & Options

### Chinstraps

See P/Ns on p. 55

		
<p><b>DESCRIPTION</b></p>	<p>Removable/Washable Chinstrap with QRB and Postman's slide</p>	<p>2-point Black Nomex w/QRB &amp; Postman's Slide</p>

In 2018, MSA Cairns led the industry by offering removable and replaceable soft goods for all structural firefighting helmets. Beginning January 2, 2020, and to maintain alignment with cancer prevention directives recommended by the Firefighter Cancer Support Network (FCSN), MSA Cairns will offer removable, replaceable and washable chinstraps.



Model 660 shown with Chinstrap 10204157

Model N6A Boston Bend shown with Chinstrap 10207044

1044 w/Defender shown with Chinstrap 10204155

### Removable/Washable Chinstrap Features

- **Removable/Washable**—The chinstraps are easily removed and replaced so they can be cleaned with other fire helmet soft goods.<sup>1</sup>
- **Compliant**—The chinstraps are certified to NFPA 1971-2018 and NFPA 1951-2013 to work on MSA Cairns® Fire Helmets.
- **Shell Release System (SRS)**—The chinstraps maintain the benefit of the Shell Release System (SRS) on the helmets that offer this feature.<sup>2</sup>
- **Retrofit/Upgrade**—The new chinstraps are easily retrofittable to MSA Cairns Fire Helmets currently in service (manufactured on or before December 2019).<sup>3</sup>
- **Standard Offering**—The NEW Standard on ALL MSA Cairns Helmets manufactured after January 2, 2020.
- **Ease of Ordering**—With the implementation of the new chinstraps, ONLY chinstraps with Quick Release Buckle (QRB) and Postman's Slide (PS) will be offered.

All MSA Fire Helmets manufactured on or after January 2, 2020, have the new Removable/Washable Chinstraps installed as a standard.

<sup>1</sup> The new chinstraps were washed up to 52 times using the instructions provided in the operating manual.

<sup>2</sup> SRS is offered on the 1010/44 and 660C/664 MSA Cairns Fire Helmets.

<sup>3</sup> For 1010/44 fire helmets manufactured prior to November 2015, a 1010/1044 impact cap replacement upgrade kit will be required; these include the removable chinstrap.

# MSA Cairns Fire & Rescue Helmets

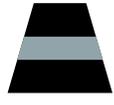
## Earlaps

Replacement P/Ns: p. 59

EAR COVERS FOR CAIRNS 1836				
STANDARD EARLAPS				
DESCRIPTION	Yellow Nomex	Black Nomex	PBI	Underchin Extension

## Reflective Trim

Replacement P/Ns: p. 61

TRIM SHAPE					
	Tetrahedrons	Triple trim tetrahedrons	Stripes	Diamond	Tetrabars & stripes
TRIM COLORS	Lime/Yellow	Lime/Yellow/Silver	Lime/Yellow	Lime/Yellow	Lime/Yellow
	Red/Orange*		Red/Orange*	Red/Orange*	
	Blue*	Red/Orange/Silver	Blue*	Blue*	Blue*

\* Not NFPA 1971 compliant

## Eye & Face Protection

Eye protection is a required component on all NFPA-compliant MSA Cairns Helmets. MSA NFPA-compliant eye protection options offer the following features and benefits:

- High-temperature options
- Flame-resistant
- Easy donning and doffing while wearing gloves
- Anti-fog coating on both sides of the lens for visibility
- Anti-scratch coating on both sides of the lens for a longer life
- Easy lens replacement

## Defender Visors

Replacement P/Ns: p. 56

Defender Visors offer eye protection from dust, dirt, and grit; their exclusive integral design is retractable for the ultimate in compact convenience. Sleek construction allows fast, easy raising and lowering of the visor even with gloved hands. Standard clear and amber Tuffshield visor options are NFPA-compliant. Defender Visors come standard with black nose-bridge pad.



Clear

Amber Tuffshield

Defender Visor in deployed position

Defender Visor in stowed position

Clear and Amber Tuffshield for Cairns 1836 Helmet

## Eye & Face Protection

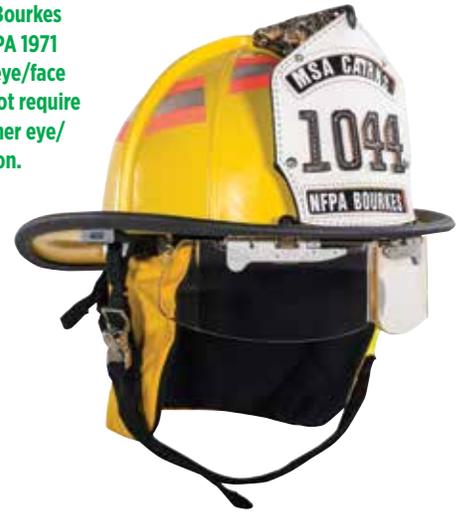
### NFPA-Compliant Bourkes Eyeshield

The NFPA-compliant Bourkes Eyeshield is:

- Available for MSA Cairns Leather N6A, 1010, 1044 and 880 Fire Helmets on ATOs
- NFPA 1971 compliant
- Side wrapping, with improved coverage compared to Traditional Bourkes
- Fireground-proven, anti-scratch coated, polyarylate lenses
- Lenses are quickly stowed when not in use; easily deployed when needed
- Sturdy metal hardware offers durability under severe fire conditions
- Works with Defender visor or goggles, if additional eye protection is desired
- Available as a replacement kit, complete with lens and hardware
  - PN 10186311 (MSA traditional composite fire helmets)
  - PN 10194911 (MSA leather fire helmets)
- Easy to install—uses the same holes as Traditional Bourkes or shell dimples\*

**NFPA-compliant Bourkes lenses satisfy NFPA 1971 requirements for eye/face protection and do not require the addition of other eye/face protection.**

Replacement P/Ns: p. 55



### Faceshields

Replacement P/Ns: p. 56



MSA Cairns  
4\"/>

The MSA Cairns 4\"/>



MSA Cairns  
4\"/>

The MSA Cairns 4\"/>

Available on Modern-style Fire Helmets.

The MSA Cairns 6\"/>

All MSA Cairns faceshields come supplied with wing protectors for extra face protection. Wing protectors are made of the same fire-proven material found in MSA Cairns faceshield hardware to provide additional strength at high temperatures.

### Goggles

Replacement P/Ns: p. 56

#### MSA Cairns Firefighter Goggles

Our series of NFPA-compliant firefighters' goggles are certified by an independent test lab to meet the performance requirements of NFPA 1971, including the test for exposure to 500° F for 5 minutes (Test Method 7.4.4 Heat and Thermal Shrinkage Resistance Test.).

We offer three goggle styles (differentiated by attachment system):



The **Innerzone 2** model has a snap-on/snap-off attachment to structural helmets. The low-profile post design works with all structural firefighting helmets.



The **Innerzone 3** model has a wrap-around strap that attaches to the back of the helmet with two adhesive-backed hook and loop tabs.



The **MSA Cairns 550 Goggle** has a wrap-around strap that attaches to the back of the helmet with a D-Ring fastener.

\*1010/1044 fire helmets only

# MSA Cairns Fire & Rescue Helmets

## Front Holders

Replacement P/Ns: p. 59

Our crumple-zone front holders are designed with your safety in mind.

### Standard Front Holders

		
Carved Brass Eagle	Carved Brass Beaver	Carved Brass Dragon
		
Silkscreened Eagle	Silkscreened Maltese Cross	Carved Brass Parade Eagle*

### Cairns 1836 Front Holders

	
Carved Brass Eagle	Silkscreened Maltese Cross
	
Silkscreened Eagle (6")	Silkscreened Eagle (5.5")

## Standard Fronts

Design your own at [www.msanet.com/fronts](http://www.msanet.com/fronts), and call 1-877-MSA-FIRE to order!

Replacement P/Ns: p. 60

- Over 27 million possible configurations
- Reinforced with high-temperature, shrink-resistant backing
- Sewn with high-temperature, fire-resistant Nomex thread

### 1 Top Layer

Available in...

- High-gloss patent leather
- Low-gloss natural leather

Black	White	Red
Yellow	Blue	Green
Orange	Brown	Gold**

### 2 Print Layer

Available in...

- Luminous (glow-in-the-dark)
- High-temp nylon
- Scotchlite (white only)

Black	White	Red
Yellow	Blue	Green
Orange	Brown	Gold**

### 3 Lettering

- Up to 4 lines
- 1/2" tall ♦
- 14 characters per line for optimal clarity

Black	White	Red
Yellow	Blue	Green
Orange	Brown	Gold**

### 4 Graphics

- **Attached**
  - Raised or sunken numbers
  - Sunken fleur-de-lis
  - Badges (p. 42)
  - Decals (p. 44)
- **Printed**
  - Custom graphics available
  - Printed graphics (pp. 42-43)
  - Printed numbers
- **None**

**Glow-in-the-dark print layer available!**



High-gloss patent leather



Low-gloss natural leather

\*For leather presentation helmets only

\*\* Gold patent.

♦ Except on 3" mini fronts

**Standard Fronts**

TEXT & GRAPHIC POSITION	[GRAPHIC] TEXT		TEXT [GRAPHIC]		TEXT [GRAPHIC] TEXT		TEXT [GRAPHIC] TEXT TEXT		TEXT TEXT [GRAPHIC] TEXT		TEXT TEXT TEXT	TEXT TEXT TEXT TEXT
	Attached	Printed	Attached	Printed	Attached	Printed	Attached	Printed	Attached	Printed	None	None
<b>6-Inch (for Traditional Helmets)</b>												
STYLE NO.	19	20	21	22	23	24	25	26	27	28	29	30
<b>5-Inch (for 880 Tradition )</b>												
STYLE NO.	150	151	152	153	154	155	156	157	158	159	160	161

TEXT & GRAPHIC POSITION	[GRAPHIC] TEXT		TEXT [GRAPHIC]		TEXT [GRAPHIC] TEXT		TEXT TEXT TEXT
	Attached	Printed	Attached	Printed	Attached	Printed	None
<b>4-Inch (for Modern Helmets)</b>							
STYLE NO.	31	32	33	34	35	36	37

TEXT & GRAPHIC POSITION	[GRAPHIC] TEXT		TEXT [GRAPHIC]		TEXT [GRAPHIC] TEXT		TEXT TEXT [GRAPHIC] TEXT		TEXT TEXT TEXT TEXT
	Attached	Printed	Attached	Printed	Attached	Printed	Attached	Printed	None
<b>8-Inch (for G5A and G64)</b>									
STYLE NO.	10	11	12	13	14	15	16	17	18

TEXT & GRAPHIC POSITION	[GRAPHIC] TEXT		TEXT [GRAPHIC]	TEXT TEXT TEXT
	Attached	Printed	Attached	None
<b>3-Inch (for Gifts)</b>				
STYLE NO.	38	39	40	41

## Passport Fronts for Firefighter Accountability

Replacement P/Ns: p. 60

Improve department accountability with helmet front identification inserts.

- Two (2) front sizes
  - 6" for traditional helmets
  - 4" for modern helmets
- Easy to use
  - NFPA 1971 compliant accessory
  - Available in same colors as Standard Fronts (p. 39)

	Passport Front Type	Passport Style # for Ordering		
		Frames & Inserts	Frame Only	Insert Only
6" PASSPORT FRONTS	 2 Text Blocks	49	50	51
	 2 Text Blocks	55	56	57
6" FDNY FRONTS <i>Note: For Velcro-backed passports, add "V" to style # (ex: 44V)</i>	 No Text Blocks	42	43	48
	 1 Text Block	44	45	48
	 2 Text Blocks	46	47	48
	 2 Text Blocks	62*	60	61
4" PASSPORT FRONTS	 1 Text Block	58	59	57
	 2 Text Blocks	52	53	54

\*Comes with 3 inserts instead of 1

		6" Passport Fronts	6" FDNY Fronts	6" Passport System	4" Passport Fronts
<b>FRAME</b>					
# OF TEXT BLOCKS	No text blocks**		■		
	1 text block		■		■
	2 text blocks	■	■	■	■
<b>INSERT</b>					
ATTACHMENT SYSTEM	Hook & Loop	■	■	■	■
	Removable Pins		■		
NUMBER & LETTER STYLE	Sunken	■	■		■
	Raised	■	■		■
	Printed	■	■	■	■
MAX. # OF CHARACTERS	5 numbers	■	■		■
	5 letters		■		
	5 mixed		■		
	4 numbers			■	
	4 letters	■		■	■
4 mixed	■		■	■	

\*\* Can be ordered with Hot Stamp white numbers on the bottom of the front

## Badges for Fronts

- Available in Chrome- and 24K Gold-Plate
- Available in 1" and 1½"

						
		1 Axe	2 Axes	1 Trumpet	2 Trumpets	Fireman's Scramble
CHROME-PLATE	1½"	FB21A	FB22A	FB21T	FB22T	FB2S
	1"	—	FB2S2A	—	—	—
24K GOLD-PLATE	1½"	FB11A	FB12A	FB11T	FB12T	FB1S
	1"	FB1S1A**	FB1S2A**	FB1S1T**	FB1S2T**	FB1S5**

					
		2 Crossed Trumpets	3 Crossed Trumpets	4 Crossed Trumpets	5 Crossed Trumpets
CHROME-PLATE	1½"	FB22TX	FB23TX	FB24TX	FB25TX
	1"	—	FB2S3TX	FB2S4TX	FB2S5TX
24K GOLD-PLATE	1½"	FB12TX	FB13TX	FB14TX	FB15TX
	1"	FB1S2TX**	FB1S3TX**	FB1S4TX**	FB1S5TX**

\*\* For Front Style #35 only

## Printed Graphics for Fronts

- Three sizes: 1", 1¼" and 2"
- Custom printed graphics available upon request

									
	1 Horizontal Trumpet	1 Vertical Trumpet	1 Horizontal Axe	1 Vertical Axe	2-Trumpet Burst	3-Trumpet Burst	4-Trumpet Burst	5-Trumpet Burst	Fireman's Scramble
ID	A	B	C	D	E	F	G	H	I
									
	2 Vertical Trumpets	2 Vertical Axes	Fleur de Lis	EMS Star of Life	Fire Marshall	Chaplain's Cross	Shamrock	American Flag	Maltese Cross
ID	J	K	L*	M	N**	P	Q	R	T

\*Available only as a sunken cutout

# MSA Cairns Fire & Rescue Helmets

## Printed Graphics

- Available in vinyl or reflective Scotchlite
- Sizes: 1", 1½" and 2½"
- Custom decals also available

							
		Fire Department	Chief	Deputy Chief	Ass't Chief	1st Ass't Chief	2nd Ass't Chief
VINYL	1"	10123025	10123029	10123033	10123037	10123018	10123042
	1½"	10123023	10123027	10123031	10123035	10123016	10123020
	2½"	D101P	D102P	D103P	D104P	D105P	D106P
SCOTCHLITE	1"	10123026	10123030	10123034	10123038	10123019	10123043
	1½"	10123024	10123028	10123032	10123036	10123017	10123041
	2½"	DS101P	DS102P	DS103P	DS104P	DS105P	DS106P

							
		Batt'n Chief	Chief Engineer	Fire Marshall	Platoon Chief	Engineer	Captain w/2 Trumpets
VINYL	1"	10123046	10123050	10123190	10123214	10123218	10123222
	1½"	10123044	10123048	10123188	10123212	10123216	10123220
	2½"	D107P	D108P	D114P	D130P	D109P	D110P
SCOTCHLITE	1"	10123047	10123051	10123211	10123215	10123219	10123223
	1½"	10123045	10123049	10123189	10123213	10123217	10123221
	2½"	DS107P	DS108P	DS114P	DS130P	DS109P	DS110P

							
		Lieut. w/1 Trumpet	Captain w/2 Axes	Lieut. w/1 Axe	Sergeant	Paramedic	2 Trumpets
VINYL	1"	10123226	10123230	10123234	10123238	10123242	10123246
	1½"	10123224	10123228	10123232	10123236	10123240	10123244
	2½"	D111P	D112P	D113P	D115P	D129P	D121P
SCOTCHLITE	1"	10123227	10123231	10123235	10123239	10123243	10123247
	1½"	10123225	10123229	10123233	10123237	10123241	10123245
	2½"	DS111P	DS112P	DS113P	DS115P	DS129P	DS121P

## Decals

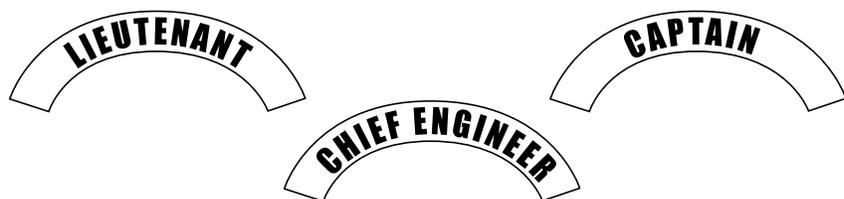
							
		1 Trumpet	5-Trumpet Burst	4-Trumpet Burst	3-Trumpet Burst	2-Trumpet Burst	Fireman's Scramble
VINYL	1"	10123250	10119010	10119012	10119014	10119016	10119020
	1½"	10123248	D123P	D124P	D125P	D126P	D128P
	2½"	D122P	10119039	10119041	10119043	10119045	10119049
SCOTCHLITE	1"	10123251	10119011	10119013	10119015	10119017	10119021
	1½"	10123249	DS123P	DS124P	DS125P	DS126P	DS128P
	2½"	DS122P	10119040	10119042	10119044	10119046	10119050

						
		EMS Star of Life	Chaplain's Cross	Shamrock	American Flag	Custom Decal*
VINYL	1"	10119022	10119024	10119026	10119057	—
	1½"	D131P	D133P	D134P	D135P	—
	2½"	D116P	10119053	10119055	10119057	D99P
SCOTCHLITE	1"	10119023	10119025	10119028	10119058	—
	1½"	DS131P	DS133P	DS134P	DS135P	—
	2½"	DS116P	10119054	10119056	10119058	—

\*50-unit minimum required

## Title Tapes

- Custom decals only
- Packaged minimum order quantity is 20
- Minimum order quantities do not apply to Assemble-to-Order (ATO) products
- For Modern style helmets only
- Lettering is all-caps; 14 character limit
- Available in vinyl or reflective Scotchlite



# MSA Cairns Fire & Rescue Helmets

## Printed Gold Fronts

- High-temperature construction is stable up to 500°F
- Standard designs available in 2-3 weeks

Replacement P/Ns: p. 60



## Standard 6" Printed Gold Fronts

STYLE	F74B	F74S	F74F	F75B	F75S	F75F	F76B	F76S
STYLE	F76F	F77B	F77S	F77F	F78	F79	F80	F81

## Standard 4" Printed Gold Fronts

STYLE	F82B	F82S	F83A	F83B

## Printed Gold Fronts

Replacement P/Ns: p. 60

Choose from 3 backgrounds, 4 scrollwork designs, 9 graphics and 9 text/graphic arrangements. Or create a custom design!

- High-temperature construction is stable up to 500°F
- Standard designs available in 2-3 weeks
- Custom designs available for an additional charge. Call 1-877-MSA-FIRE.

### 1. Choose Background

			
Satin Gold	Turned Gold	White w/ Gold Accents	
BACKGROUND ID	GSS	GET	WHT



### 2. Choose Artwork

					
Classic Banners	Classic Scrolls	Flaming Scrolls	Upward Arch	No Banner or Scroll	
ID	B	S	F	A*	T**

\*Use w/ Style 83 only; \*\*Use w/ Styles 79-81 only

### 3. Choose Graphic

									
1 Trumpet	1 Axe	2 Trumpets	2 Axes	2-Trumpet Burst	3-Trumpet Burst	4-Trumpet Burst	5-Trumpet Burst	Fireman's Scramble	
GRAPHIC ID	GA	GB	GC	GD	GE	GF	GG	GH	GI

### 4. Choose Text & Graphic Position

	TEXT [GRAPHIC]	[GRAPHIC] TEXT	[GRAPHIC] TEXT TEXT	TEXT [GRAPHIC] TEXT	[GRAPHIC] TEXT TEXT TEXT	TEXT [GRAPHIC] TEXT TEXT	TEXT TEXT [GRAPHIC] TEXT	[GRAPHIC] TEXT TEXT TEXT TEXT	TEXT TEXT [GRAPHIC] TEXT TEXT
4" FRONT STYLE #	82*	83	—	—	—	—	—	—	—
6" FRONT STYLE #	—	78	79**	74	80**	75	76	81**	77
8" FRONT STYLE #	—	—	—	70	—	71	72	—	73

\*Use w/ Artwork ID "A" only; \*\*Use w/ Artwork ID "T" only

# Standard Front Order Form

Build your own front at <http://webapps.msanet.com/fronts>

## Ordering Instructions

Please complete a separate form for each type of front ordered. Save the file as a PDF and return the completed form(s) to [fireorder@MSASafety.com](mailto:fireorder@MSASafety.com). The free version of **Adobe Acrobat Reader is required to use this form.**

Fronts other than those that can be ordered using the choices below are considered custom fronts. To discuss your custom artwork or logo application needs, please call 1-877-MSA-FIRE or speak with your sales representative.

## Standard Fronts

Enter your choices in the boxes to the right of each section.

**Total Quantity:**

**1. Front Size**   
4", 5" or 6"

**2. Style Option**   
Enter style number from **10** to **41**, or from **150** to **161**

**3. Attachment Option**   
Punch front(-s) or attach to: **L** – Leather Helmet  
**P** – Plastic Helmet or **K** – Mini Front Key Chain  
**V** – Hook and Loop Attachment (*for 4" fronts only*)  
**N** – No holes needed

**4. Front Material**   
**L** – Genuine Leather, **P** – High-Gloss Patent Leather

**5. Front Color Option**   
Choose one color: **B** – Black, **W** – White, **R** – Red, **Y** – Yellow, **O** – Orange, **C** – Blue, **G** – Green, **N** – Natural/Brown or **K** – Gold (*patent only*)

**6. INTERNAL USE ONLY**   
NOTE: MSA Personnel, add Vinyl (V) or White Scotchlite™ (S)

**7. Panel Color Option**   
Choose one color: **B** – Black, **W** – White, **R** – Red, **Y** – Yellow, **O** – Orange, **C** – Blue, **G** – Green, **K** – Gold or **S** – Reflective White Scotchlite

**8. Text Font**   
Choose one text style:

<b>A FULL BLOCK ACCT.</b>	<b>F CASLON ADBOLD</b>
<b>B RAPHAEL ACCT.</b>	<b>G DEMIAN BOLD ACCT.</b>
<b>C ALPHA MEDIUM</b>	<b>H ACADEMY ENGRAVED</b>
<b>D COPPER GOTHIC</b>	<b>I BREEZE SCRIPT</b>
<b>E GOUDY BOLD ACCT.</b>	<b>J CLARENDON MEDIUM</b>

Note: FULL BLOCK ACCT. is default.

**9. Panel Text Color Option**   
Choose one color: **B** – Black, **W** – White, **R** – Red, **Y** – Yellow, **O** – Orange, **C** – Blue, **G** – Green, **K** – Gold, **S** – Reflective White Scotchlite, **V** – Vinyl, **L** – Luminous or **N** – No printed text

<b>Company:</b>	<input type="text"/>
<b>Contact:</b>	<input type="text"/>
<b>Phone:</b>	<input type="text"/>
<b>PO #:</b>	<input type="text"/>
<i>For office use only below this line</i>	
<b>SO#:</b>	<input type="text"/>
<b>Shop #:</b>	<input type="text"/>

**10. Graphic Type**

For attached graphics:  
**S** – Sunken Numbers (*not available on 4" fronts*)  
**R** – Raised Sewn Numbers, **K** – 14K Gold Badge,  
**C** – Chrome Badge or **T** – Tin Emblem  
**F** – Fleur-de-lis (*same as panel color*) or **D** – Graphic Decal

For printed graphics:  
**P** – Printed Numbers, **G** – Printed Graphics, or **N** – No Graphics

Note: Add numbers/letters in the order you want to appear on your front in the corresponding text box below (see examples).

**11. Graphic Ornament Option**   
Enter choice from **A** to **R** (*leave blank if not used*)

**12. Color of Large Centered Numbers**   
Size determined by style chosen (*not available on gold leaf*)  
Choose one color: **B** – Black, **W** – White, **R** – Red, **Y** – Yellow, **O** – Orange, **C** – Blue, **G** – Green, **K** – Gold, **S** – Reflective White Scotchlite or **N** – No numbers

**13. Shipping Option**   
**A** – Loose or **C** – Attached

**14. Text**  
Fill in the appropriate lines of text for your front style up to 23 characters per line. Spaces and punctuation marks each count as one character. Fill in top to bottom and leave any lines not used blank. See examples of text entry on the next page.

LINE 1:

LINE 2:

LINE 3:

LINE 4:

**Multiple fronts on Order? See page 2 for additional order entry details.**

**14. Save File as PDF**   
Email to [fireorder@MSAsafety.com](mailto:fireorder@MSAsafety.com)

**Have another front to add?**   
Save this file first, then click to add a new form.



## Multiple Fronts

Use the corresponding fields below for same style multiple fronts with slight changes to text, and center graphics/numbers.

	Line 1 Additional Text	Line 2 Additional Text	Line 3 Additional Text	Line 4 Additional Text
FRONT 2				
FRONT 3				
FRONT 4				
FRONT 5				
FRONT 6				
FRONT 7				
FRONT 8				
FRONT 9				
FRONT 10				
FRONT 11				
FRONT 12				
FRONT 13				
FRONT 14				
FRONT 15				
FRONT 16				
FRONT 17				
FRONT 18				
FRONT 19				
FRONT 20				
FRONT 21				
FRONT 22				
FRONT 23				
FRONT 24				
FRONT 25				

6" Style #25 Front with Raised Sewn Numbers



LINE 1: TEXT LINE 1  
 LINE 2: 2  
 LINE 3: TEXT LINE 3  
 LINE 4: TEXT LINE 4

6" Style #24 Front with Printed Graphics



LINE 1: TEXT LINE 1  
 LINE 2: [Printed Graphic/Ornament]\*  
 LINE 3: TEXT LINE 3  
 LINE 4:

6" Style #19 Front with Sunken Numbers



LINE 1: 1  
 LINE 2: TEXT LINE 2  
 LINE 3:  
 LINE 4:

6" Style #22 Front with Printed Graphics



LINE 1: 1  
 LINE 2: TEXT LINE 2  
 LINE 3:  
 LINE 4:

\*NOTE: Leave this line blank when entering text.

# Passport Front Order Form

Build your own front at <http://webapps.msanet.com/fronts>

## Ordering Instructions

Please copy and complete a separate form for each type of passport front ordered. Save the file as a PDF and return the completed form(s) to [fireorder@MSASafety.com](mailto:fireorder@MSASafety.com). **The free version of Adobe Acrobat Reader is required to use this form.**

Fronts other than those that can be ordered using the choices below are considered custom fronts. To discuss your custom artwork or logo application needs, please call 1-877-MSA-FIRE or speak with your sales representative.

## Passport Fronts

Enter your choices in the boxes to the right of each section.

**Total Quantity:**

1. **INTERNAL USE ONLY** 

NOTE: MSA Personnel, add 6"FDNY (1), 6" (2), 6" ACCT (3), 4" (4), 5" (5), or 6" WIDE (6)
2. **Style Option**   

Enter style number from **42 to 62**, or from **162 to 185**
3. **Attachment Option** 

Punch front(-s) or attach to: **L** – Leather Helmet  
**P** – Plastic Helmet or **K** – Mini Front Key Chain  
**V** – Hook and Loop Attachment (*for 4" fronts only*)  
**N** – No holes needed
4. **Front Material** 

**L** – Genuine Leather, **P** – High-Gloss Patent Leather
5. **Frame Color** 

Choose one color: **B** – Black, **W** – White, **R** – Red, **Y** – Yellow, **O** – Orange, **C** – Blue, **G** – Green, **N** – Natural/Brown or **K** – Gold (*patent only*)
6. **INTERNAL USE ONLY** 

NOTE: MSA Personnel, add Vinyl (V) or White Scotchlite (S)
7. **Insert Color** 

Choose one color: **B** – Black, **W** – White, **R** – Red, **Y** – Yellow, **O** – Orange, **C** – Blue, **G** – Green, **N** – Natural/Brown or **K** – Gold (*patent only*)
8. **Text Font** 

Choose one text style:

<b>A FULL BLOCK ACCT.</b>	<b>F CASLON ADBOLD</b>
<b>B RAPHAEL ACCT.</b>	<b>G DEMIAN BOLD ACCT.</b>
<b>C ALPHA MEDIUM</b>	<b>H ACADEMY ENGRAVED</b>
<b>D COPPER GOTHIC</b>	<b>I BREEZE SCRIPT</b>
<b>E GOUDY BOLD ACCT.</b>	<b>J CLARENDON MEDIUM</b>

Note: FULL BLOCK ACCT. is default.
9. **Panel Color** 

Choose one color: **B** – Black, **W** – White, **R** – Red, **Y** – Yellow, **O** – Orange, **C** – Blue, **G** – Green, **P** – Pink, **K** – Gold or **S** – Reflective White Scotchlite

<b>Company:</b>	_____
<b>Contact:</b>	_____
<b>Phone:</b>	_____
<b>PO #:</b>	_____
<i>For office use only below this line</i>	
<b>SO#:</b>	_____
<b>Shop #:</b>	_____

10. **Panel Text Color** 

Choose one color: **B** – Black, **W** – White, **R** – Red, **Y** – Yellow, **O** – Orange, **C** – Blue, **G** – Green, **K** – Gold, **S** – Reflective White Scotchlite, **V** – Vinyl, **L** – Luminous **P** – Pink or **N** – No printed text
11. **Graphic Type** 

For attached graphics:  
**S** – Sunken Numbers (*not available on 4" fronts*)  
**R** – Raised Sewn Numbers, **K** – 14K Gold Badge,  
**C** – Chrome Badge or **T** – Tin Emblem  
**F** – Fleur-de-lis (*same as panel color*) or **D** – Graphic Decal

For printed graphics:  
**P** – Printed Numbers, **G** – Printed Graphics, or **N** – No Graphics
12. **Color of Large Centered Numbers** 

Size determined by style chosen (*not available on gold leaf*)  
Choose one color: **B** – Black, **W** – White, **R** – Red, **Y** – Yellow, **O** – Orange, **C** – Blue, **G** – Green, **K** – Gold, **S** – Reflective White Scotchlite or **N** – No numbers
13. **Shipping Option** 

**A** – Loose or **C** – Attached
14. **Text**

Fill in the appropriate lines of text for your front style up to 23 characters per line. Spaces and punctuation marks each count as one character. Include centered numbers as one line. Fill in top to bottom in the order you want to appear on your front. See examples of text/number entry on the next page.

LINE 1: \_\_\_\_\_

LINE 2: \_\_\_\_\_

LINE 3: \_\_\_\_\_

LINE 4: \_\_\_\_\_

**Multiple fronts on Order? See page 2 for additional order entry details.**
15. **Save File as PDF** 

Email to [fireorder@MSAsafety.com](mailto:fireorder@MSAsafety.com)

**Have another front to add?**



## Multiple Fronts

Use the corresponding fields below for same style multiple fronts with slight changes to text, and center graphics/numbers.

	Line 1 Additional Text	Line 2 Additional Text	Line 3 Additional Text	Line 4 Additional Text
FRONT 2				
FRONT 3				
FRONT 4				
FRONT 5				
FRONT 6				
FRONT 7				
FRONT 8				
FRONT 9				
FRONT 10				
FRONT 11				
FRONT 12				
FRONT 13				
FRONT 14				
FRONT 15				
FRONT 16				
FRONT 17				
FRONT 18				
FRONT 19				
FRONT 20				
FRONT 21				
FRONT 22				
FRONT 23				
FRONT 24				
FRONT 25				

## Sample Passport Fronts with Text Location

Style #55 Frame & Insert with Raised Sewn Numbers



LINE 1: TEXT LINE 1  
 LINE 2: 28  
 LINE 3: TEXT LINE 3  
 LINE 4:

Style #44 Frame & Insert with Sunken Numbers



LINE 1: 44  
 LINE 2: TEXT LINE 2  
 LINE 3:  
 LINE 4:

Style #49 Frame & Insert with Raised Sewn Numbers



LINE 1: TEXT LINE 1  
 LINE 2: 12  
 LINE 3: TEXT LINE 3  
 LINE 4:

Style #42 Frame & Insert with Sunken Numbers



LINE 1: 417  
 LINE 2:  
 LINE 3:  
 LINE 4:

# Printed Gold Fronts Order Form

Build your own front at [MSAnet.com/fronts](http://MSAnet.com/fronts)

## Ordering Instructions

Please copy and complete a separate form for each type of front ordered. Give the completed form(s) to your sales representative or fax them to 800-967-0398.

Fronts other than those that can be ordered given the choices below are considered custom fronts. To discuss your custom artwork or logo application needs, please call 1-877-MSA-FIRE or speak with your sales representative.

<b>Company:</b>	
<b>Contact:</b>	
<b>Phone:</b>	
<b>PO #:</b>	
<i>For office use only below this line</i>	
<b>SO#:</b>	
<b>Shop #:</b>	

## Printed Gold Fronts

Enter your choices in the boxes to the right of each section.

**Total Quantity:**

- 1. Style Option**   
 Enter style number from **70** to **83**
- 2. Shipping Option**   
**L** – Loose or **A** – Attached
- 3. Attachment Option**   
 Punch front(-s) or attach to:  
**L** – Leather Helmet  
**P** – Plastic Helmet  
**K** – Mini Front Key Chain  
**V** – Hook and Loop Attachment *(for 4" fronts only)*  
**N** – No holes needed  
**G** – Giant Size *(for decoration only)*
- 4. Artwork Option**   
 Choose from: **B** – Banners, **F** – Flaming Scrolls, **S** – Regular Scrolls,  
**A** – Upward Arch *(for 4" fronts only)*, **T** – No text art *(for 6" fronts only)*
- 5. Graphic Option**   
 Enter style letters from **GA** to **GI**
- 6. Front Material**   
 Choose from: **GSS** – Gold Satin, **GET** – Gold Engine Turned or **WHT** – White
- 7. Text**  
 Fill in the appropriate lines of text for your front style up to 14 characters per line.  
 Spaces and punctuation marks each count as one character. Fill in top to bottom.

Printed Gold Fronts													
LINE 1													
LINE 2													
LINE 3													
LINE 4													



## MSA Cairns Stock-Order-Ship (SOS) Program

MSA offers the most popular Cairns products on our Stock-Order-Ship (SOS) program.

- Same day shipping is offered on SOS-designated products if the order is entered by 2:30 PM (EST).
- SOS products ship from our warehouse in Pittsburgh, PA.
- Look for the  for SOS program products, both online and in the catalog.



STRUCTURAL FIRE HELMETS	
<b>XFI Jet-Style Helmets and Accessories</b>	
P/N	Description
GYM1018500000-NE16	XFI Helmet, medium, matte black
GYL1018500000-NE16	XFI Helmet, large, matte black
GYM1018500000-NA16	XFI Helmet, medium, glossy black
GYL1018500000-NA16	XFI Helmet, large, glossy black
GA1484	XFI Lighting Module
GA1087C	XFI Ocular Visor Assembly
<b>Traditional Helmets</b>	
P/N	Description
1044DDB	1044 Black Fire Helmet with Clear Defender Visor, PBI/Kevlar Earlap, Deluxe Leather Liner, Carved Brass Eagle
10205805	1044 Black Fire Helmet with Clear Defender Visor, Black Earlap, Deluxe Leather Liner, Carved Brass Eagle
1010FSB	Fire Helmet, 1010, FS, Black, Std
1010DSB	1010 Black Fire Helmet with Clear Defender Visor, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
1044DSR	1044 Red Fire Helmet with Clear Defender Visor, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
1044DSB	1044 Black Fire Helmet with Clear Defender Visor, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
1044FSB	Fire Helmet, 1044, FS, Black, Std
<b>Modern Helmets</b>	
P/N	Description
660DSR	660C Red Fire Helmet with Clear Defender Visor, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
660CFSB	Fire Helmet, 660C, FS, Black, Std
660CFSY	Fire Helmet, 660C, FS, Yellow, Std
664FSY	Fire Helmet, 664, FS, Yellow, Std
664FSB	Fire Helmet, 664, FS, Black, Std



<b>SPARE PARTS AND ACCESSORIES</b>	
<b>Eye Protection</b>	
P/N	Description
10194911	NFPA Bourkes for Leather Helmets
S550P	Cairns ESS Goggle
10037315	4" Standard Faceshield with Wing Protectors
10071006	4" Tuffshield (Polyacrylate) Faceshield with Wing Protectors
10077117	Defender Visor, Clear Lens with Hardware
10186311	Kit, EYESHIELD & Hardware, NFPA Bourke
<b>Soft Goods</b>	
P/N	Description
10145416	Liner, Cushion, Std & Pad, Replacement
L655GP	Earlap, Jumbo Grampion, Pkgd.
LCPP	Crown Pad, Packaged
10187685	Soft Goods Kit: Black Nomex Earlaps for Leather (M)
10187686	Soft Goods Kit: Black Nomex Earlaps for Leather (L)
10187688	Soft Goods Kit: Yellow Nomex Earlaps for Leather (M)
10187689	Soft Goods Kit: Yellow Nomex Earlaps for Leather (L)
10160550	Soft Goods Kit: Standard Liner, Yellow Nomex Ear Lap, Velcro Tabs, Mesh Laundering Bag for Cairns 880 Helmets
10160561	Soft Goods Kit: Standard Liner, Black Nomex Ear Lap, Velcro Tabs, Mesh Laundering Bag for Cairns 880 Helmets
10160548	Soft Goods Kit: Standard Liner, Yellow Nomex Ear Lap, Velcro Tabs, Mesh Laundering Bag for All Cairns Helmets, except N5A, N6A and 880
10160549	Soft Goods Kit: Standard Liner, Blacknomex Ear Lap, Velcro Tabs, Mesh Laundering Bag for All Cairns Helmets, except N5A, N6A and 880
LK28P	Standard Flannel Headband and Ratchet Liner
10172739	Standard Liner, Yellow Nomex Ear Lap, Ratchet Pad, Mesh Laundering Bag
10172740	Standard Liner, Black Nomex Ear Lap, Ratchet Pad, Mesh Laundering Bag
<b>Chinstraps</b>	
P/N	Description
10204155	Chinstrap, Standard Length (Removable, Washable); for all Helmets except HP3 w/ Defender and 660/64 Non-Def
10204157	Chinstrap, Standard Length (Removable, Washable) for 660/64 Non-Def
<b>Leather Front Holders</b>	
P/N	Description
M8P	Front Holder, Carved Eagle, Pkg
M6P	Front Holder, Maltese, Silkscreen, M6
<b>Reflective Trim</b>	
P/N	Description
RP16YP	Bars, Reflexite, Lime Yellow, Packaged
RP20YP	Tetrahedrons, Reflexite, Pkgd, Lime Yellow
<b>Training Covers</b>	
P/N	Description
10207281	Training Cover, Traditional Fire Helmets
10207280	Training Cover, Modern Fire Helmets

\*Once inventory depleted.

## MSA Cairns Replacement Parts

### Impact Cap Replacement Kits\*

P/N	Description	MSA Cairns 1836	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
<b>IMPACT CAP REPLACEMENT KITS W/ POSTMAN'S SLIDE CHINSTRAP</b>									
10170238	Clear Lens and Standard Headband		■						
10170242	Clear Lens and Deluxe Headband		■						
10170239	Tuffshield Lens and Standard Headband		■						
10170243	Tuffshield Lens and Deluxe Headband		■						
10192360	No Defender Lens and Standard Headband		■						
<b>IMPACT CAP REPLACEMENT KITS WITH DEFENDER**</b>									
10092445	Updgrade kit w/QRB, PS, Clear Defender, Standard Liner & Yellow Nomex Earlap				■				
10096895	ICA w/QRB, PS, Standard Liner & Yellow Nomex Earlap				■				
10096829	ICA w/QRB, PS, Standard Liner & Yellow Nomex Earlap					■			
<b>IMPACT CAP REPLACEMENT KITS FOR NON-DEFENDER HELMETS</b>									
10152449	ICA w/ Standard Configuration			■					
10185067	Retainer Ring & Breakaway Tabs Kit			■					
M603P	ICA w/ Standard Configuration				■	■			
M610P	ICA Retention Kit (Tabs, Velcro, Screws)				■				
M802P	ICA w/ Overhead Suspension						■	■	
<b>IMPACT CAP REPLACEMENT KITS FOR MSA CAIRNS 1836 HELMETS</b>									
10239137	Anchor Release replacement Kit (includes 10 anchor releases)	■							
10239139	Impact Cap Anchor Release and Lock Replacement Kit (includes plastic impact cap, impact cap foam, two anchor releases, and left & right slide lock assembled into plastic impact cap)	■							

\*Replacing the impact cap, as needed, does not affect the manufacture date of the original helmet ensemble. Helmets should be removed from service no later than 10 years from the original date of manufacture, per NFPA 1851 (current edition). Please see the MSA Cairns Owner Manual for additional details on removal of helmet from service based on routine and advanced maintenance and inspection criteria.

\*\*Upgrade kits needed if Defender visor not previously installed on helmet.

### Removable/Washable Chinstraps

P/N	Description	MSA & NGA	MSA Cairns 1836	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664 (w/ Defender)	660C Metro & Invader 664 (non-Defender)	Commando HP3	Structural 360S	Rescue 360R/ 360R-13
<b>REMOVABLE/WASHABLE CHINSTRAPS</b>										
10204155	2 pt (20.5" long)	■	■	■	■	■			■	■
10207044	2 pt (28" long)	■	■	■	■	■			■	■
10204156	2 pt (20.5" long)							■		
10204157	2 pt (20.5" long)						■			
10226184	2 pt (shorter center, 27.5" long)		■							
10204158	3 pt (20.5" long)									■
10204159	3 pt (20.5" long)							■		
10225399	Extended Postman Chinstrap with Leather Protector		■							
10204160	4 pt (20.5" long)	■	■	■						

- PNs 10204155 and 10204157 will be stocked in the Pittsburgh warehouse and available on the program.
- With the implementation of the new chinstraps, ONLY chinstraps with Quick Release Buckle (QRB) and Postman's Slide (PS) will be offered.
- QRB only chinstraps have been eliminated from the line due to low volume.

# MSA Cairns Replacement Parts

## Eye & Face Protection

P/N	Description	MSA & NGA	MSA Cairns 1836	MSA Cairns 1010 & 1044	Tradition 880	660C Metro & Invader 664	Commando HP3	Structural 3 60S	Rescue 360R	Rescue 360R-13
<b>DEFENDER VISOR</b>										
10077117	Clear Lens w/ Hardware			■		■	■			
10077118	Amber Tuffshield Lens w/ Hardware			■		■	■			
10239188	Defender Visor Replacement Kit, Clear		■							
10239192	Defender Visor Replacement Kit, Tuffshield		■							
<b>DEFENDER VISOR HARDWARE</b>										
10145812	Replacement Hardware Kit (no lens)			■		■	■			
10101798	Nose Pad Kit (5 pk)			■		■	■			
10077121	Replacement Retainer Tab			■						
10096795	Replacement Retainer Tab					■				
10096796	Replacement Retainer Tab						■			
<b>FACESHIELDS</b>										
10071006	4" Tuffshield w/ Wing Protectors	■		■	■	■				
10037315	4" Standard w/ Wing Protectors				■	■		■		
S606GP	6" Gold-Coated (for proximity firefighting)			■		■				
10239142	External Faceshield Replacement Kit (includes lens and hardware)		■							
<b>FACESHIELD HARDWARE</b>										
S918P	Faceshield Hardware Kit	■		■	■					
S910P	Faceshield Hardware Kit					■				
S620P	Faceshield Hardware Kit						■			
S912P	Faceshield Hardware Kit							■		
101238890	External Faceshield Replacement Kit (includes hardware only)		■							
10063598	Faceshield Nut Kit	■		■	■	■	■	■		
S950P	Faceshield "E" Clips (50 pk)	■		■	■	■	■	■		
S204P	4" Faceshield Wing Protectors (Pair)	■		■	■	■	■	■		
S206P	6" Faceshield Wing Protectors (Pair)	■		■	■	■	■	■		
<b>GOGGLES</b>										
S550P	MSA Cairns 550 Goggle	■*		■	■	■		■		
S549P	ESS Innerzone 2 with Low Profile Hardware Kit	■	■	■	■	■		■	■	■
10153029	ESS Innerzone 2 Goggle with Side-Mount Hardware Kit		■				■			
10032882	ESS Innerzone 3	■	■	■	■	■	■	■	■	■
<b>GOGGLE HARDWARE</b>										
S953P	Goggle Strap Retaining Tabs	■		■	■	■	■	■	■	■
10059535	MSA Cairns ESS Stealth Sleeve	■		■	■	■	■	■		
10029700	Innerzone 2 Hardware (Old Style)	■		■	■	■	■	■	■	■
10052896	Innerzone 2 Low Profile Mounting Kit	■		■	■	■	■	■	■	■
10059814	Innerzone 1 & 2 Replacement Strap Kit	■		■	■	■	■	■	■	■
<b>HARDWARE AND BOURKES LENSES</b>										
10186311	NFPA-compliant Bourkes Lens and Hardware Kit (for 1010, 1044 and 880 ONLY)*		■	■	■					
10194911	NFPA-compliant Bourkes Lens and Hardware Kit (for N6A and N5A ONLY)*	■								
S10KP**	Traditional Bourkes Lens and Hardware Kit	■								
10189241	Kit, Hole Plugs (10 helmets)***			■						
10086493	Nylon Mini Rivet, Male	■		■	■	■	■	■	■	■
10086494	Nylon Mini Rivet, Female	■		■	■	■	■	■	■	■

\* Addition of an NFPA-compliant Bourkes lens does not affect the compliance as indicated on the original fire helmet ensemble as shipped from MSA.

\*\* Not NFPA compliant; for use on MSA leather helmets only.

\*\*\* To plug holes created by faceshield hardware when an MSA faceshield is replaced by NFPA-compliant Bourkes.

## Headbands, Ratchet Assemblies, and Soft Goods

P/N	Description	MSA & NGA	MSA Cairns 1836	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
<b>HEADBAND ASSEMBLIES AND SELECT SOFT GOODS</b>										
10177752	Suspension Strap & Headband Assembly, Standard			●						
10177753	Suspension Strap & Headband Assembly, Leather			●						
10238825	Suspension System Replacement Kit, 6 pt.		■							
10162871	Standard Headband with Ratchet and Front Liner			●						
10162873	Deluxe Leather Headband with Ratchet and Front Liner			●						
LK27P	Economy Flannel Headband & Ratchet Liner			■		■	■	■	■	■
505 LK28P	Standard Flannel Headband & Ratchet Liner			■		■	■	■	■	■
LK29P	Deluxe Leather Ratchet & Headband Liner w/ Crown Pad			■		■	■	■	■	■
10186795	Standard Flannel Headband & Ratchet Liner				■					
10186796	Deluxe Leather Ratchet & Headband Liner w/ Crown Pad				■					
L5RP	Leather/Sateen Cushion Liner w/ Yellow Nomex Earlap (L)	◆								
L5RP-0001	Leather/Sateen Cushion Liner w/ Yellow Nomex Earlap (M)	◆								
10097951	Leather/Sateen Cushion Liner w/ Black Nomex Earlap (L)	◆								
10101176	Leather/Sateen Cushion Liner w/ Black Nomex Earlap (M)	◆								
L59RP	Leather/Sateen Cushion Liner w/ PBI/Kevlar Earlap (L)	◆								
L59RP-0001	Leather/Sateen Cushion Liner w/ PBI/Kevlar Earlap (M)	◆								
10187660	Sateen Cushion Liner w/ Yellow Nomex Earlap (L), Washable	◆								
10187659	Sateen Cushion Liner w/ Yellow Nomex Earlap (M), Washable	◆								
10187657	Sateen Cushion Liner w/ Black Nomex Earlap (L), Washable	◆								
10187656	Sateen Cushion Liner w/ Black Nomex Earlap (M), Washable	◆								
10187682	Sateen Cushion Liner w/ PBI/Kevlar Earlap (L), Washable	◆								
10187681	Sateen Cushion Liner w/ PBI/Kevlar Earlap (M), Washable	◆								
10238787	Headband Assembly System Replacement Kit		■							
<b>RATCHET ASSEMBLIES (NO SOFT GOODS)</b>										
RBP	Ratchet Headband System	■								
RHBP	Ratchet Headband System			▲		■	■	■	■	■
10046721	Ratchet Headband System				■					
M615P	Headband Retention Tabs (set of 4)			■		■	■			
<b>HEADBAND SOFT GOODS</b>										
10162905	Standard Headband Liner & Ratchet Pad			●						
10162906	Deluxe Leather Headband Liner & Ratchet Pad			●						
505 10145416	Standard Flannel Headband & Ratchet Pad only			▲	■	■	■	■	■	■
10145417	Deluxe Leather Headband & Ratchet Pad w/Crown Pad			▲	■	■	■	■	■	■
LCPP	Flannel Crown Pad			■	■	■	■			
FCPP	Foam Crown Pad	■								
10191684	Flannel Ratchet Pad (washable)	■		■	■	■	■	■	■	■
505 LRPP	Leather Ratchet Pad	■		■	■	■	■	■	■	■
M560P	Fit Adjustment Kit (6 sets w/ 5 pads in each)	■								

- ▲ For MSA Cairns 1010/44 Fire Helmets manufactured before November 2015.
- For MSA Cairns 1010/44 Fire Helmets manufactured on or after November 2015.
- ◆ For MSA Cairns Leather Fire Helmets shipped before August 1, 2018.
- ❖ For MSA Cairns Leather Fire Helmets shipped on or after August 1, 2018. Replaceable soft goods for leather helmets are only available for fire helmets where replaceable soft goods were part of the original ensemble as shipped from the MSA manufacturing facility.

# MSA Cairns Replacement Parts

## Soft Goods Kits

P/N	Description	MSA & NGA	MSA Cairns 1836	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
<b>SOFT GOODS KITS</b>										
 10160548	Standard Liner, Yellow Nomex Ear Lap, Ratchet Pad, Mesh Laundering Bag			▲		■	■	■	■	■
 10160549	Standard Liner, Black Nomex Ear Lap, Ratchet Pad, Mesh Laundering Bag			▲		■	■	■	■	■
 10160550	Standard Liner, Yellow Nomex Ear Lap, Ratchet Pad, Mesh Laundering Bag				■					
 10160561	Standard Liner, Black Nomex Ear Lap, Ratchet Pad, Mesh Laundering Bag				■					
10164551	Standard Liner, PBI / Kevlar Ear Lap, Ratchet Pad, Mesh Laundering Bag			▲		■	■	■	■	■
10164552	Standard Liner, PBI / Kevlar Ear Lap, Ratchet Pad, Mesh Laundering Bag				■					
 10172739	Standard Liner, Yellow Nomex Ear Lap, Ratchet Pad, Mesh Laundering Bag			●						
 10172740	Standard Liner, Black Nomex Ear Lap, Ratchet Pad, Mesh Laundering Bag			●						
10172751	Standard Liner, PBI / Kevlar Ear Lap, Ratchet Pad, Mesh Laundering Bag			●						
10172755	Standard Liner, Yellow Nomex Ear Lap with Underchin Extension, Ratchet Pad, Mesh Laundering Bag			●						
10172756	Standard Liner, Black Nomex Ear Lap with Underchin Extension, Ratchet Pad, Mesh Laundering Bag			●						
10186793	Standard Liner, Yellow Nomex Ear Lap with Underchin Extension , Ratchet Pad, Mesh Laundering Bag				■					
10186794	Standard Liner, Black Nomex Ear Lap with Underchin Extension , Ratchet Pad, Mesh Laundering Bag				■					
 10187685	Liner/Black Nomex Ear Lap, Ratchet Pad, Crown Pad, Black Mesh Laundering Bag (MED)	❖								
 10187686	Liner/Black Nomex Ear Lap, Ratchet Pad, Crown Pad, Grey Mesh Laundering Bag (LG)	❖								
 10187688	Liner/Yellow Nomex Ear Lap, Ratchet Pad, Crown Pad, Black Mesh Laundering Bag (MED)	❖								
 10187689	Liner/Yellow Nomex Ear Lap, Ratchet Pad, Crown Pad, Grey Mesh Laundering Bag (LG)	❖								
10187690	Liner/PBI/Kevlar Ear Lap, Ratchet Pad, Crown Pad, Black Mesh Laundering Bag (MED)	❖								
10187691	Liner/PBI/Kevlar Ear Lap, Ratchet Pad, Crown Pad, Grey Mesh Laundering Bag (LG)	❖								
10238755	Standard Soft Goods Replacement Kit		■							
10238753	Leather Soft Goods Replacement Kit		■							

▲ For MSA Cairns 1010/44 fire helmets manufactured before November 2015 ONLY.

● For MSA Cairns 1010/44 fire helmets manufactured on or after November 2015 ONLY.

❖ For MSA Cairns Leather Fire Helmets shipped on or after August 1, 2018. Replaceable soft goods for leather helmets are only available for fire helmets where replaceable soft goods were part of the original ensemble as shipped from the MSA manufacturing facility.

## Earlaps and Training Covers

P/N	Description	NSA & N6A	MSA Cairns 1836	MSA Cairns 1010 & 1044	MSA Cairns 880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13	XFI
<b>EARLAPS</b>											
L655XP	Yellow Nomex Earlap			■		■	■	■	■	■	
L655AP	Yellow Nomex Earlap w/Under Chin Extension			■		■	■	■	■	■	
L655GP	Black Nomex Earlap			■		■	■	■	■	■	
10124742	Black Nomex Earlap w/Under Chin Extension			■		■	■	■	■	■	
L955P	PBI/Kevlar Earlap			■		■	■	■	■	■	
10187115	Earlap, Jumbo, 880, Yellow Nomex				■						
10187116	Earlap, Jumbo, 880, PBI Kevlar				■						
10187118	Earlap, Jumbo, 880, Yellow Nomex, Underchin				■						
10187119	Earlap, Jumbo, 880, Black Nomex				■						
10238966	Ear Cover Replacement Kit, Yellow Nomex		■								
10239008	Ear Cover Replacement Kit, Black Nomex		■								
10239125	Ear Cover Replacement Kit, PBI		■								
<b>TRAINING COVERS</b>											
10207280	Training Cover, Modern Fire Helmet					■	■	■	■		
10207281	Training Cover, Traditional Fire Helmet	■		■	■						
GA1137-L	XFI Training Cover, Large										■
GA1137-M	XFI Training Cover, Medium										■

## Front Holders

P/N	Description	NSA & N6A	MSA Cairns 1836	MSA Cairns 1010 & 1044	MSA Cairns 880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13	
<b>FOR 6" FRONTS</b>											
10099776	Carved Brass Eagle	■									
10099778	Carved Brass Beaver	■									
10128084	Carved Brass Dragon	■									
M8P	Carved Brass Eagle			■							
10071259	Carved Brass Beaver			■							
10128083	Carved Brass Dragon			■							
M9P	Silkscreened Eagle			■							
M6P	Silkscreened Maltese Cross			■							
10065952	Carved Brass Eagle				■						
10049738	Silkscreened Eagle				■						
10049739	Silkscreened Maltese Cross				■						
10239130	Carved Eagle Front Holder Kit, Brass <i>(includes all hardware)</i>		■								
10239133	Silkscreened Eagle Front Holder Kit, Brass <i>(includes all hardware)</i>		■								
10246603	Silkscreened Maltese Cross Front Holder Kit, Brass <i>(includes all hardware)</i>		■								
<b>FOR 5" FRONTS</b>											
10049736	Silkscreened Eagle				■						
10049737	Silkscreened Maltese Cross				■						
<b>FOR 5.5" FRONTS</b>											
10239132	Carved Eagle Front Holder Kit, Brass <i>(includes all hardware)</i>		■								
10239135	Silkscreened Eagle Front Holder Kit, Brass <i>(includes all hardware)</i>		■								
10246604	Silkscreened Maltese Cross Front Holder Kit, Brass <i>(includes all hardware)</i>		■								
<b>FOR 8" FRONTS</b>											
M7P	Carved Brass Parade Eagle										Presentation Helmets Only
<b>HARDWARE</b>											
10047527	Front Holder Hardware Kit (set of 3)	■		■	■						
M16P	Mounting Bracket			■	■						
M12P	Mounting Bracket					■	■	■	■	■	
10228565	Front Bracket Kit		■								

# MSA Cairns Replacement Parts

## Fronts & Accessories

P/N	Description	NSA & N6A	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
<b>6" FRONTS &amp; ACCESSORIES</b>									
F19P-F30P	6" Front	■	■	■					
F42P/F44P/F46P	FDNY Frame & Insert	■	■	■					
F43P/F45P/F47P	FDNY Frame	■	■	■					
F48P	FDNY Insert	■	■	■					
F49P	Passport Frame & Insert (Rectangular-insert style)	■	■	■					
F50P	Passport Frame (Rectangular-insert style)	■	■	■					
F51P	Passport Insert (Rectangular style)	■	■	■					
F55P	Passport Frame & Insert (Rounded-insert style)	■	■	■					
F56P	Passport Frame (Rounded-insert style)	■	■	■					
F57P	Passport Insert (Rounded style)	■	■	■					
F62P	Passport System Frame & 3 Inserts	■	■	■					
F60P	Passport System Frame	■	■	■					
F61P	Passport System Insert	■	■	■					
M16P	5" & 6" Front Mounting Bracket		■	■					
AN6P	Acorn Nuts for Fronts (50 pk)	■	■	■					
FSMP	Front Mounting Screws (50 pk)	■	■	■					
FPP	Front Pins (100 pk)	■	■	■					
<b>4" FRONTS &amp; ACCESSORIES</b>									
F31P-F37P	4" Front w/M12 Bracket				■	■	■	■	■
F52P	Passport Frame & Insert (2 lines of text)				■	■	■	■	■
F53P	Passport Frame (2 lines of text)				■	■	■	■	■
F54P	Passport Insert (2 lines of text)				■	■	■	■	■
F58P	Passport Frame & Insert (1 line of text)				■	■	■	■	■
F59P	Passport Frame (1 line of text)				■	■	■	■	■
F57P	Passport Insert (1 line of text)				■	■	■	■	■
10101683	4" Front Hook & Loop Kit				■	■	■	■	■
M12P	4" Front Mounting Bracket				■	■	■		
FSMP	Front Mounting Screws (50 pk)				■	■	■		
<b>8" STANDARD FRONTS &amp; ACCESSORIES</b>									
F10P-F18P	8" Front	Leather Presentation Helmets Only							
AN6P	Acorn Nuts for Fronts (50 pk)								
FSMP	Front Mounting Screws (50 pk)								
<b>PRINTED GOLD FRONTS</b>									
F70P-F73P	8" Printed Gold Front	Leather Presentation Helmets Only							
F74P-F81P	6" Printed Gold Front	■	■	■					
F82P-F83P	4" Printed Gold Front				■	■	■	■	■
<b>KEYCHAINS</b>									
39PG	Keychain with 1 panel on top								
40AG	Keychain with panels on top and bottom								
41	Keychain with 3 panels								
<b>FRONT ACCESSORIES</b>									
E101P	Tin Maltese Cross Emblem	■	■	■	■	■	■	■	■
FB1P	Gold-plated Badge	■	■	■	■	■	■	■	■
FB2P	Chrome-plated Badge	■	■	■	■	■	■	■	■

### Reflective Trim & Accountability

P/N	Description	NSA & NGA	MSA Cairns 1836	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
<b>TETRAHEDRONS</b>										
RP20YP	Reflexite, Lime/Yellow, 20 per sheet	■	■	■	■					
RP20RP	Reflexite, Red/Orange, 20 per sheet*	■		■	■					
RP20WP	Reflexite, White, 20 per sheet*	■		■	■					
RP20BP	Reflexite, Blue, 20 per sheet*	■		■	■					
SP20YP	Scotchlite, Lime/Yellow, 20 per sheet	■	■	■	■					
RP20RP	Scotchlite, Red/Orange individual		■							
10062656	Scotchlite, Lime/Yellow w/ silver center bar, 8 per sheet	■	■	■	■					
10062655	Scotchlite, Red/Orange w/ silver center bar, 8 per sheet	■	■	■	■					
<b>STRIPES</b>										
RP16YP	Reflexite, Lime/Yellow, 1"x 4", 16 per sheet					■				
RP16RP	Reflexite, Red/Orange, 1"x 4", 16 per sheet*					■				
RP16WP	Reflexite, White, 1"x 4", 16 per sheet*					■				
RP16BP	Reflexite, Blue, 1"x 4", 16 per sheet*					■				
SP16YP	Scotchlite, Lime/Yellow, 1"x 4", 16 per sheet					■				
PG1	Scotchlite, Triple Trim Lime/Yellow/Silver center bar, 6 per pack					■				
PG2	Scotchlite, Triple Trim Red/Orange/Silver center bar, 6 per pack					■				
<b>TETRABARS &amp; STRIPES</b>										
RP17YP	Reflexite, Lime/Yellow, 12 1"x 4" tetrabars & 8 stripes per sheet						■	■	■	■
RP17RP	Reflexite, Red/Orange, 12 1"x 4" tetrabars & 8 stripes per sheet*						■	■	■	■
SP17YP	Scotchlite, Triple Trim Lime/Yellow, 12 1"x 4" tetrabars & 8 stripes per sheet						■	■	■	■
SP17RP	Scotchlite, Red/Orange, 12 1"x 4" tetrabars & 8 stripes per sheet*						■	■	■	■
<b>ACCOUNTABILITY BRACKETS</b>										
10239194	Accountability Bracket Kit (includes left and right)		■							

\* Not NFPA 1971 compliant

### Edge Beading & Other Shell Hardware

P/N	Description	NSA & NGA	MSA Cairns 1836	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
<b>EDGE BEADING</b>										
M5P	Black Edge Beading Replacement Kit			■		■	■	■	■	■
M5P-0001	White Edge Beading Replacement Kit			■		■	■	■	■	■
10049832	Black Edge Beading Replacement Kit				■					
10062602	White Edge Beading Replacement Kit				■					
<b>OTHER SHELL HARDWARE</b>										
M4P	Helmet Hanger Replacement Kit			■		■		■	■	■
10049831	Helmet Hanger Replacement Kit				■					
10113989	Helmet Hanger Replacement Kit						■			
10239195	Edge Trim & Helmet Hanger Replacement Kit, Black (includes edge trim and helmet hanger assembly, rivet)		■							
10239204	Edge Trim & Helmet Hanger Replacement Kit, White (includes edge trim and helmet hanger assembly, rivet)		■							
S921P	Acorn Nut Kit	■		■	■	■				
M10P	Brass Crown Piece	■								
10177418	Kit, Replacement Velcro (50 helmets)			■						

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