

MSA Cairns® Fire & Rescue Helmets

MSA
The Safety Company



WHEN YOU GO IN, WE GO IN WITH YOU.

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Great Reasons to Choose MSA Cairns® 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), offered in our most popular fire helmets, protects from impact and heat—even when your helmet is dislodged from your head.

With the SRS, if your helmet comes off because you fell through a floor or roof, the impact cap separates from the helmet shell, **but remains on your head**, leaving your head better protected from additional impact, projectiles and heat. Without SRS, all you've got is a flash hood.

2 Retractable MSA Cairns Defender® 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. The entire visor stows when not in use (so it can't be lost), and can be deployed the instant it's needed – even with a gloved hand. 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 NFPA Compliant Bourkes EyeShield

Made from the same high-heat material found in the groundbreaking Tuffshield Defender Visors, the NFPA-Compliant Bourke Eyeshield features increased coverage to help ensure compliance with both NFPA-1971:2018 and ANSI/ISEA Z87.1:2015. The new NFPA-Compliant Bourke Eyeshield is certified to be worn without other eye/face protection (as prescribed in NFPA-1971), or it can be used as a secondary eye protection with a Defender Visor or compliant MSA Goggles.

4 Best In Class


In a survey of firefighters across the nation¹, 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.

5 With MSA Cairns, You Get **More** than You Pay For

We know, as do firefighters, that MSA Cairns Helmets are the most durable products on the market. We back up that claim with a 10-year lifetime warranty that the product will be free from defects in materials and/or faulty workmanship². 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.

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  beside products in the program. Remember, too, you can always order customized MSA Cairns Fire Helmets through Assemble-to-Order (ATO). ATO forms are on every fire helmet page on www.MSAfire.com

¹Fire helmet brand assessment study conducted by an outside research firm for MSA.

²For MSA Cairns Fire Helmet Warranty details, please see www.MSAfire.com. 10-year warranty applies to helmets manufactured on or after 1/1/2015.

MSA Cairns Helmets Overview

					
	N6A Houston®	N5A New Yorker®	MSA Cairns 1010 & 1044	880 Tradition®	
Page Number	8	8	14	16	
SHELL					
10-Year Warranty*	■	■	■	■	
Country of Manufacture	US	US	US	US	
Leather	■	■			
Fiberglass Composite			■		
Thermoplastic				■	
SAFETY OPTIONS					
Impact/Thermal Cap	■	■	See page 13 for details.	■	
Integral Eye/Face Protection			Defender Visor		
Shell Release System			■		
Crumple-zone Front Holder	■	■	■	■	
ARFF Proximity System			■		
STANDARDS COMPLIANCE					
NFPA 1971 (structural)	■		■	■	
NFPA 1971 (proximity)			■		
NFPA 1951 (rescue)					
OSHA 1910.156	■	■	■	■	

Helmet Shell Material

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

Helmet Style Overview

Traditional	<ul style="list-style-type: none"> Classic fire helmet design Most popular MSA Cairns fire helmet style Generally lower profile than our competitors' traditional helmets Helmets: N5A, N6A, 1010, 1044 & 880
Modern	<ul style="list-style-type: none"> Lower profile than our traditional style Lower profile than most of our competitors' modern style helmets Helmets: 660C, 664, HP3, & 360S/R/R-13

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



660C Metro® & Invader 664®	Commando HP3®	Structural 360S®	Rescue 360R	Rescue 360R-13	Cairns XF1
20	22	24	24	24	
■	■	■	■	■	■
US	US	US	US	US	France
■	■				
		■	■	■	■
■	■	■	■		■
Defender Visor	Defender Visor				Full Faceshield (NFPA) Visor (Z87+)
■					
■					
■	■	■	■		■
■					■
■	■	■	■		■

Helmet Colors (Colors shown are approximate.)

	Black	Yellow	Red	White	Orange	Blue	Green	Pink	Natural*
N6A Houston	■	■	■	■		■			■
N5A New Yorker	■	■	■	■		■	■		■
MSA Cairns 1010	■	■	■	■	■	■	■	■	
MSA Cairns 1044	■	■	■	■		■			
880 Tradition	■	■	■	■	■	■			
660C Metro	■	■	■	■	■	■	■	■	
Invader 664	■	■	■	■					
Commando HP3	■	■	■	■	■	■	■		
Structural 360S	■	■	■	■	■	■	■		
Rescue 360R	■	■	■	■	■	■	■		
Rescue 360R-13	■	■	■	■	■	■	■		
Cairns XF1**	■	■	■	■					

*Not NFPA 1971 compliant

** Colors available in matte or glossy finish

Key Safety Features

MSA Cairns Shell Release System (SRS)

Available on 1010, 1044, 660C and 664.

With it

If your MSA Cairns Helmet is struck by collapsing structure or is caught during a fall through a roof or floor:

1. Your helmet shell separates from the impact cap.
2. The impact cap and earlaps remain on your head, which means you still have more impact and thermal protection than just a flash hood, despite losing your helmet shell.

Without it

If you were wearing a competitor's helmet in a situation like this:

1. Your helmet would have been ripped off your head.
2. Best case scenario: you'd have no more than a flash hood to protect you from additional impacts or heat exposure as you either attempt to exit the structure or await rescue.



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 46)



MSA Cairns ARFF Proximity System

- Consists of an aluminized bonnet and shroud as well as a 6" gold-coated face shield
- NFPA-1971 compliant for proximity use
- Does not interfere with your SCBA
- Components consist of an aluminized PBI/Kevlar layer, vapor barrier and inner layer
- Easy to use
- Available on 1010*, 1044*, 660C and 664



*Compliant without front holder

MSA Cairns Leather Helmets

Quality Craftsmanship

Since 1836, MSA Cairns leather fire helmets have retained the same authentic look and quality that generation after generation of firefighters have relied upon. 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.

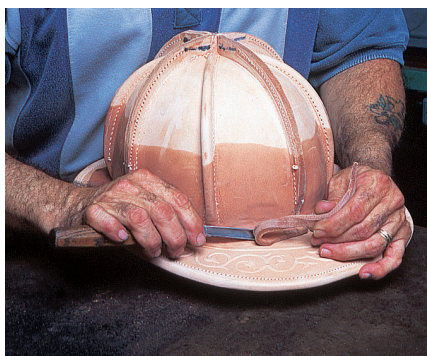
Hand-shaped...



Hand-stitched...



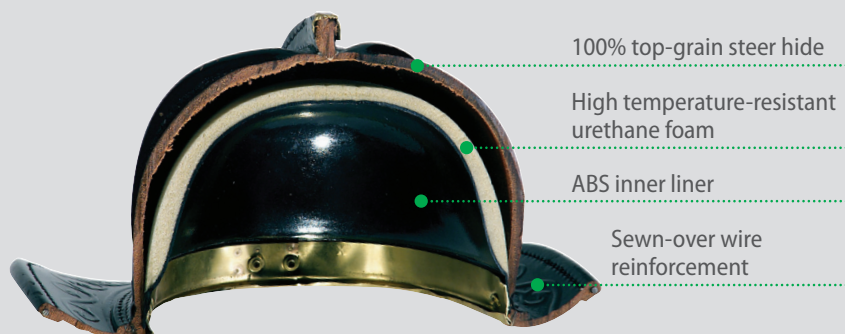
Hand-trimmed...



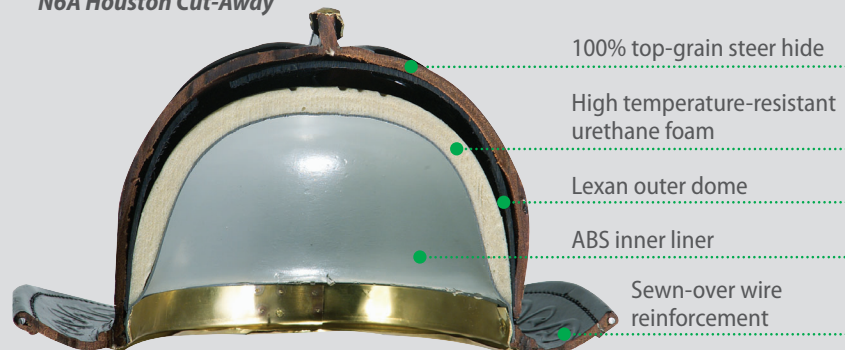
Handcrafted with meticulous detail

- The New Yorker N5A and Houston N6A shells are hand-constructed of 100% top-grain steer hide* and impregnated with a natural resin system, which is sealed and over-coated with a colored high-luster finish system.
- 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.
- A comfort pad kit is supplied with every helmet to truly customize the fit to your head.
- Available with Traditional or Bronx Bend brims.
- MSA Cairns leather fire helmets ordered by Assemble-to-Order (ATO) on or after August 1, 2018, have removable/ washable soft goods.

N5A New Yorker Cut-Away



N6A Houston Cut-Away



#lovemyCairns!

*No "pleather," glued leather patchwork or leather stretched thin over plastic!

N5A New Yorker & N6A Houston

For Structural Firefighting

- The Original Handcrafted Leather Firefighting Helmets
- Hat sizes: Medium (6¾ to 7½) and Large (7¾ to 8¾)



N5A New Yorker
(shown with Bourkes
& Goggles)



N6A Houston
(shown with NFPA Bourkes
and Bronx Bend)

Differences

N5A NEW YORKER	N6A HOUSTON
<ul style="list-style-type: none">• Meets US-OSHA 1910.156• Brass "nameplates" where North, East, South and West ribs meet the brim• No Lexan dome	<ul style="list-style-type: none">• Meets NFPA 1971• No brass "nameplates"• Lexan dome for additional penetration protection

Features & Benefits

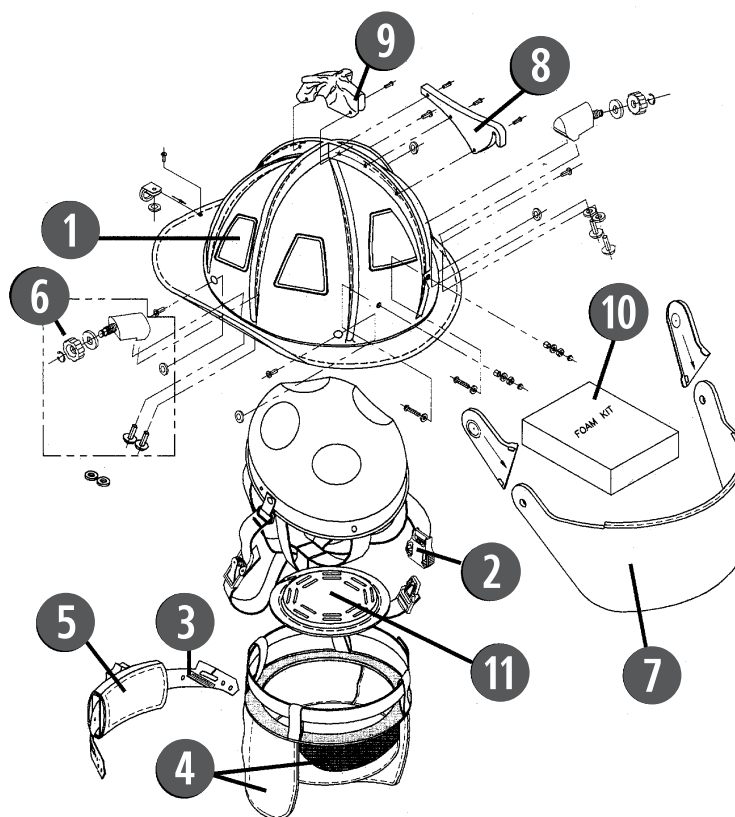
FEATURES	BENEFITS
Leather Shell	100% top-grain high-quality steer hide impregnated with a natural resin system
Crumple-zone Front Holder	Absorbs impact forces to help protect your head, neck and spine from injury
Impact Cap	Provides thermal and impact protection when you need it most
Comfort Pad Kit	Creates a customized fit unlike any other helmet
Aluminum-core Edge Trim	Helps the brim retain its shape
Brim Styles	Traditional or Bronx Bend 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
Nomex Chinstrap	Available in 2 pt. or 4 pt. options with quick-release buckles, postman's slide, and Velcro stowage system

Colors

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

Colors shown are approximate. *Not NFPA 1971 compliant.

MSA Cairns N5A New Yorker & N6A Houston Exploded View



	Replacement P/N Page		Replacement P/N Page		Replacement P/N Page
1 Reflective Trim	51	5 Leather Ratchet Pad	52	9 Brass Crown Piece	55
2 Chinstrap	49	6 Face Shield Hardware	50	10 Foam Adjustment Kit	52
3 Ratchet Headband System	52	7 Face/Eye Protection	50	11 Foam Crown Pad	52
4 Liner/Earlap	52	8 Front Holder	53		

MSA Cairns Leather Helmets

Assemble-to-Order (ATO) Selection Matrix

A	B	C	D	E
Model	Color**	Size	Eye Protection	Earlaps
1 N6A Houston, w/ Traditional Bend	1 Black	1 Medium	0 None *	5 Sateen Cushion Liner w/Jumbo Nomex Yellow Earlap, Washable/Replaceable
3 N5A New Yorker, w/ Traditional Bend	2 Red	2 Large	1 4" Tuffshield	6 Sateen Cushion Liner w/Jumbo PBI/Kevlar Earlap, Washable/Replaceable
5 G5A Presentation *	3 Blue		4 ESS Innerzone 3 Goggles	7 Sateen Cushion Liner w/Jumbo Nomex Black Earlap, Washable/Replaceable
6 G64 Presentation §	4 White		5 ESS Innerzone 2 Goggles with low profile clips	4 Liner Cushion (G5A, G64 only)
7 N6A Houston, Bronx Bend	5 Yellow		9 ESS Innerzone 2 Goggles with side mounting hardware	
8 N5A New Yorker, Bronx Bend*	7 Natural *		M NFPA Compliant Bourkes	
			A NFPA Compliant Bourkes w/ Innerzone 3 Goggles	
			B NFPA Compliant Bourkes w/ Innerzone and side mount	
			C Traditional Bourkes *^	
			D Traditional Bourkes w/ Innerzone 3 Goggles*^	
			E Traditional Bourkes w/ Innerzone 2 Goggles and side mount*^	

*Not NFPA 1971 compliant

§ Not available in L size

**Orange and green leather fire helmets are available through special order. Additional charges may apply. Contact MSA Fire Customer Service.



F	G	H	I
Front Holder	Chinstrap	Trim Type	Trim Color
1 6" Carved Brass Eagle 4 6" Carved Brass Beaver 5 6" Carved Brass Dragon 7 8" Bronze Carved High Eagle (G5A, G64 only)	0 None (G5A and G64 helmets only) 1 2 pt. Nomex w/Quick-Release 2 2-pt. Nomex w/Quick-Release & Postman's Slide 3 4-pt. Nomex w/ Quick-Release 4 4-pt. Nomex w/ Quick-Release & Postman's Slide	0 None *^ 2 Reflexite (Standard) 3 Scotchlite	1 Lime/Yellow (standard) 2 White (Reflexite) * 3 Red/Orange * 4 Red/Orange Triple Trim (Scotchlite ONLY) 5 Lime/Yellow Triple Trim (Scotchlite ONLY)

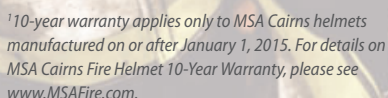
Column: A B C D E F G H I
B-LTH-

PART NUMBER

QUANTITY

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. 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.

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MSA Cairns 1010/1044 Fire Helmets


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

1 Impact Cap


(See page 47 for impact cap replacement part numbers.)

- Fewer components make the new impact cap easier to maintain and clean, as well as upgrade with the Defender Visor
- Defender® Visor automatically installed or enabled—no additional cap or hardware needed. Just order your Defender Visor kit
- Fits head sizes 6-3/8 to 8-3/4
- Designed to accommodate a 4-pt chinstrap to help improve helmet retention. Works with 2-point chinstrap as well
- With the nape arm/speedy button mechanism, the nape strap location is adjusted in seconds—without tools!
- Easy to retrofit into your current 1010/1044 MSA Cairns Helmet

2 Defender Visor

- Retractable eyewear system that stows neatly, cleanly, and securely inside the helmet
- Deploys quickly, even with a gloved hand
- Features quick disconnect for fast, tool-free lens change
- Optically correct lens eliminates peripheral distortion
- Available new or as user-upgrade kit
- New impact cap comes with upgrade hardware built right in for significant time and money savings!
- Clear replacement lenses are on the  program

3 Soft Goods

- Simple to replace or take out to launder
- Replacement kits include mesh laundering bag and are available for various combinations of liners and earlaps
- Popular kits are on the  program
- Easy to order part numbers for extra soft goods and kits
- PBI/Kevlar or Bloodborne Pathogen materials, as well as underchin extension, also available for earlaps

4 Helmet Shell

- Flexes with impact to absorb energy
- Lower profile than many competitors' helmets
- Fiberglass composite can be painted and is available as the 1010 (eight colors); unpainted shells are available as the 1044 (five colors)

5 Suspension and Retention Systems

- Unique Shell Release System (SRS) helps ensure impact cap stays on your head if helmet shell is dislodged
- Exclusive headband interface provides easy adjustment to fit a variety of SCBAs
- Provides a deep, stable fit while allowing enough crown clearance for maximum impact protection
- Standard 6-point configuration



MSA Cairns Traditional Helmets

1010 & 1044

For Structural & Proximity Firefighting

- Most popular MSA Cairns fire helmet models
- Only difference:
 - 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 Compliant Bourkes Lenses)



MSA Cairns 1044
(shown with Defender Visor)

Features & Benefits

FEATURES	BENEFITS
New Impact/Thermal Cap	Provides superior thermal and impact protection through an impact-resistant polymer liner covered by a high-temperature, energy-absorbing urethane foam
Warranty	10 years ¹
Made in the U.S.A	Yes
Through-color Fiberglass Composite Shell² (1044–unpainted/1010–painted)	Maintains color even after taking a beating on the fireground
Available Colors	1044 – black, yellow, red, white, blue 1010 – black, yellow, red, white, orange, blue, pink, green
Retractable Defender Visor (installed or enabled)	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!
Shell Release System (SRS)	Retain your impact cap, suspension system and earlaps if your helmet shell is torn away during a fall or structural collapse
Crumple-Zone Front Holder³	Absorbs impact forces to help protect your head, neck and spine from injury
Adjustable NAPE Height	Three ratchet height positions easily adjusted with the nape arm/speedy button mechanism
Adjustable Headband Height	Ensures a perfect fit between your helmet and SCBA mask
Head Size Accommodated	6¾ to 8¾!
Embossed Helmet Brim	Oak vine pattern ties the helmet to 180+ years of MSA Cairns helmet design tradition
D-Ring Helmet Hanger	Fits on large hooks and resists bending
Nomex Chinstrap Options	Enhances safety, performance and fit through hi-viz quick-release buckles, optional postman's slide, and hook and loop stowage system. Available in 2-point or 4-point configurations
ARFF Proximity System Available	Yes

Colors Colors shown are approximate.

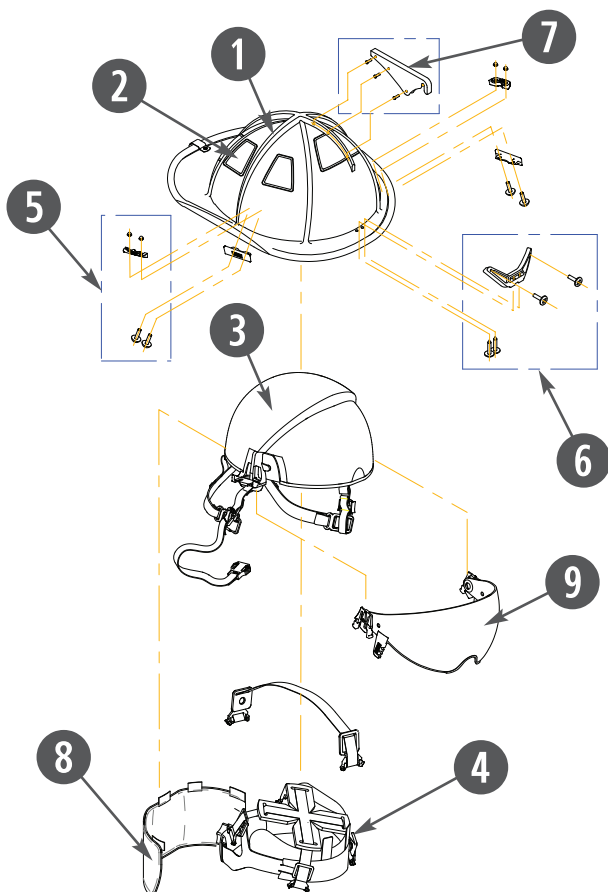
	Black	Yellow	Red	White	Orange	Blue	Pink	Green
MSA Cairns 1010	■	■	■	■	■	■	■	■
MSA Cairns 1044	■	■	■	■		■		

¹Helmets manufactured before January 1, 2015 have a limited five year warranty. For details on both warranty policies, please see www.MSAFire.com

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

³Crumple zone front holders are designed to absorb energy from an impact.

1010 Defender & 1044 Defender Exploded View

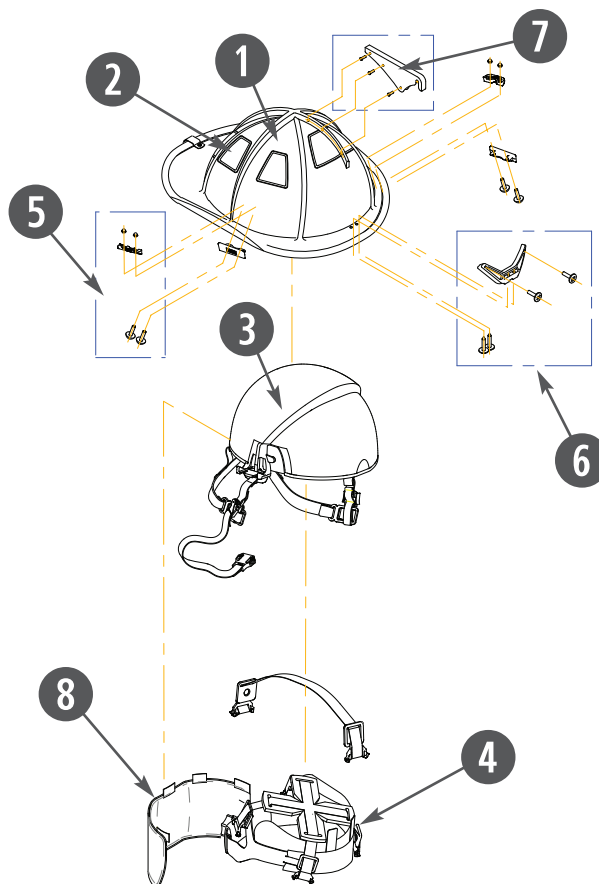


Replacement
P/N Page

1	Shell	—
2	Reflective Trim	55
3	Impact Cap/Chinstrap	49/49

4	Ratchet Headband System	52
5	Faceshield Hardware	50
6	Front Mounting Bracket	53–54

1010 & 1044 Exploded View



Replacement
P/N Page

7	Front Holder	53
8	Earpap	53
9	Face/Eye Protection	50

Replacement
P/N Page

Select 1010 & 1044 Helmets available on the program

We offer our most popular MSA Cairns products in our Stock-Order-Ship (SOS) program. For the products listed below, if your order is entered by 2:30 PM, the product ships the same day from our warehouse in Pittsburgh, PA. Order customized MSA Cairns Traditional Fire Helmets through Assemble-to-Order (ATO) on pages 18–19. Standard lead times apply to customer orders.

P/N	Description
1010 HELMETS	
1010FSB	1010 Black Fire Helmet with 4" Tuffshield, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
1010DSR	1010 Red Fire Helmet with Clear Defender Visor, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
1010DSB	1010 Black Fire Helmet with Clear Defender Visor, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
1044 HELMETS	
1044FSB	1044 Black Fire Helmet with 4" Tuffshield, 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
1044DSY	1044 Yellow 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
1044DSW	1044 White Fire Helmet with Clear Defender Visor, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim

880 Tradition™

For Structural Firefighting

- Lightest, lowest profile traditional helmet
- Fits smallest head sizes of any MSA Cairns helmet
- Certified to NFPA 1971 (Structural)
- Hat sizes: 5½ to 7½



*MSA Cairns 880
with NFPA-Compliant Bourkes Eye Shield*

Features & Benefits

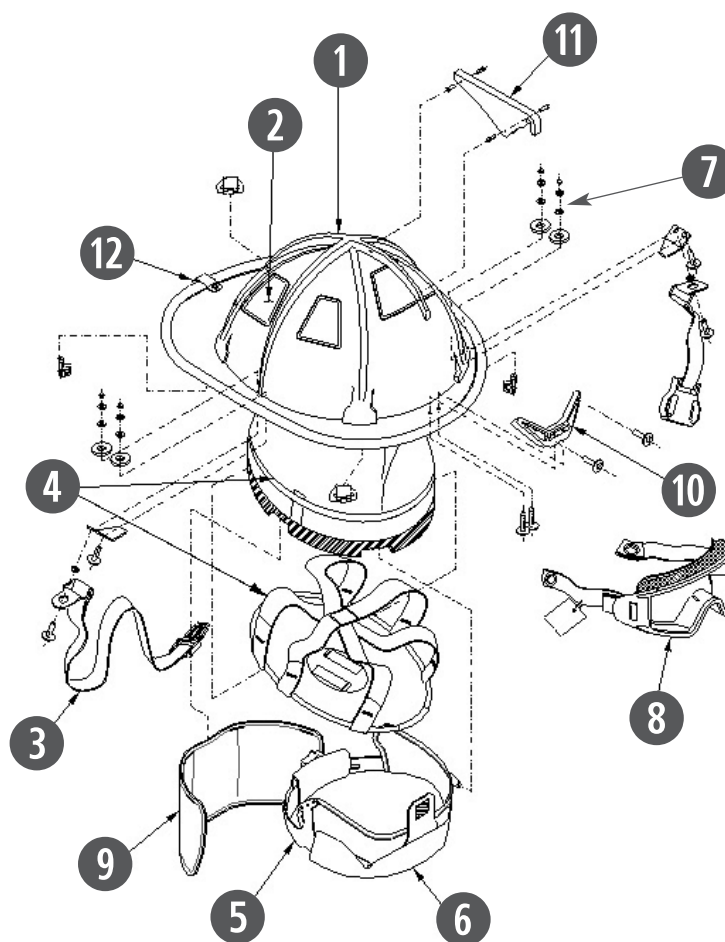
FEATURES	BENEFITS
Through-color Thermoplastic Shell	Maintains its color even after taking a beating on the fireground
Impact Cap	Provides superior thermal and impact protection when you need it most
Tube Lock System	Helps protect you from injury by transmitting energy from the suspension to its support and the surrounding foam
Crumple-zone Front Holder	Absorbs impact forces to help protect your head, neck and spine from injury
Adjustable NAPE Height	Three ratchet height positions to maximize comfort
Adjustable Headband Height	Ensures 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
Nomex Chinstrap	Enhances safety, performance and fit thanks to quick release buckles, postman's slide, and Velcro stowage system

Colors

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

Colors shown are approximate.

880 Tradition Exploded View



	Replacement P/N Page		Replacement P/N Page
1 Helmet Shell	—	7 Face Shield Hardware	50
2 Reflective Trim	55	8 Eye Protection	50
3 Chinstrap	49	9 Earlap	53
4 Impact Cap and Suspension	49	10 Front Mounting Bracket	53–54
5 Ratchet Headband System	52	11 Front Holder	53
6 Cushions	52	12 Edge Trim/Helmet Hanger	55

MSA Cairns Traditional Helmets

Assemble-to-Order (ATO) Selection Matrix

A	B	C	D	E
Model	Color	Eye/Face Protection	Headband Liners	Earlaps
1 1010 5 880 Tradition 7 1044	1 Black 2 Red 3 Blue 4 White 5 Yellow 6 Orange ◆ 7 Green ◆ 8 Pink ◆	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 **‡ 9 Faceshield for 880 w/5" front holder B Defender Visor, Clear ‡ C Defender Visor, Amber Tuffshield ‡ E ESS Inner Zone 2 Goggles w/side-mounting hardware M NFPA compliant Bourkes	1 Economy Flannel † 2 Standard Flannel 3 Deluxe Leather w/Crown Pad, 880 4 Deluxe Leather, 1010/1044	1 Yellow Nomex 2 Yellow Nomex w/Underchin Extension 3 PBI/Kevlar 5 Bloodborne Pathogen Resistant 9 CFR Aluminized Bonnet w/PBI/Kevlar Shroud ‡§ A Black Nomex B Black Nomex w/Underchin Extension

◆ Not available on 1044

‡ Not available on 880 Tradition

† Available on 880 Tradition only

* Not NFPA 1971 compliant

** Compliant to NFPA 1971 Proximity Firefighting ONLY

§ Not NFPA-1971 compliant when used with a Front Holder



F	G	H	I	K	L
Front Holder	Chinstrap	Trim Type	Trim Color	Additional Eye/Face Protection	Accessory Type
0 None 1 6" Carved Brass Eagle 2 6" Silk Screened Eagle 3 6" Silk Screened Maltese Cross 4 5" Silk Screened Eagle † 5 5" Silk Screened Maltese Cross † 6 6" Carved Brass Beaver ‡ 7 6" Carved Brass Dragon ‡	1 Nomex w/Quick-Release 2 Nomex w/Quick-Release & Postman's Slide 3 4-pt Nomex w/Quick-Release ‡ 4 4-pt Nomex w/Quick-Release & Postman's Slide ‡	0 None * 2 Reflexite (standard) 3 Scotchlite	1 Lime/Yellow (standard) 2 White (Reflexite only) * 3 Red/Orange * 4 Blue (Reflexite only) * 5 Red/Orange Triple Trim (Scotchlite only) 6 Lime/Yellow Triple Trim (Scotchlite only)	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 ‡ 9 Faceshield for 880 w/5" front holder B Defender Visor, clear ‡ C Defender Visor, Amber Tuffshield ‡ E ESS Innerzone 2 w/side mount hardware M NFPA compliant Bourkes N Low-Profile Hardware only	0 None A LCP crown Pad w/standard liner B LCP crown Pad w/economy liner (880 ONLY)

Column: A B C D E F G H I J K L

C-TRD-

PART NUMBER

QUANTITY

MSA Cairns Modern Fire & Rescue Helmets

660C Metro & Invader 664

For Structural & Proximity Firefighting

- Most popular modern helmet models
- Sleek, low-profile design
- Only difference
 - 660C: painted high-luster finish
 - 664: 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 660C Metro
(shown with
Defender visor)



MSA Cairns Invader 664
(shown with
Defender visor)

Features & Benefits

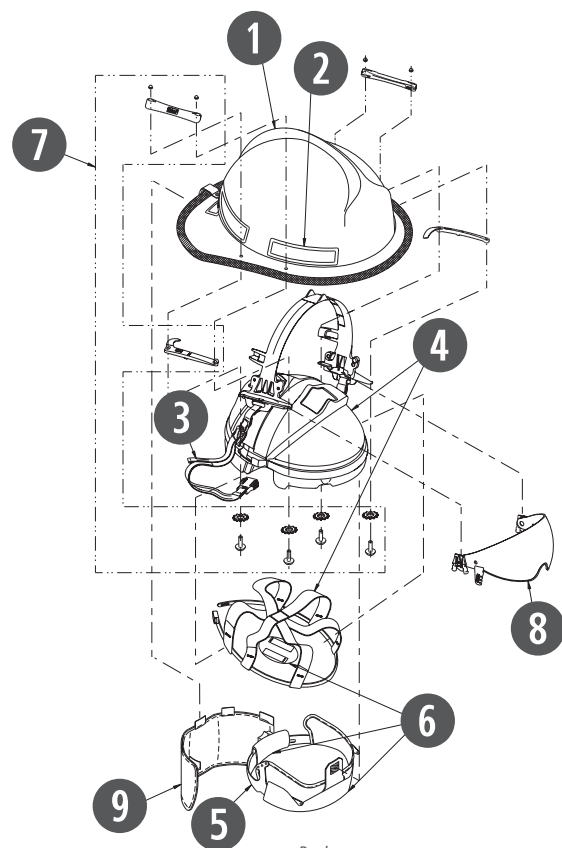
FEATURES	BENEFITS
Through-color Fiberglass Composite Shell	Maintains its color even after taking a beating on the fireground
Impact Cap	Provides superior thermal and impact protection when you need it most
Shell Release System	Retain your impact cap and earlaps if your helmet shell is torn away during 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	Ensures a perfect fit between your helmet and SCBA mask
D-ring Helmet Hanger	Fits on large hooks and resists bending
Nomex Chinstrap	Enhances safety, performance and fit thanks to quick-release buckles, postman's slide, and Velcro stowage system

Colors

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

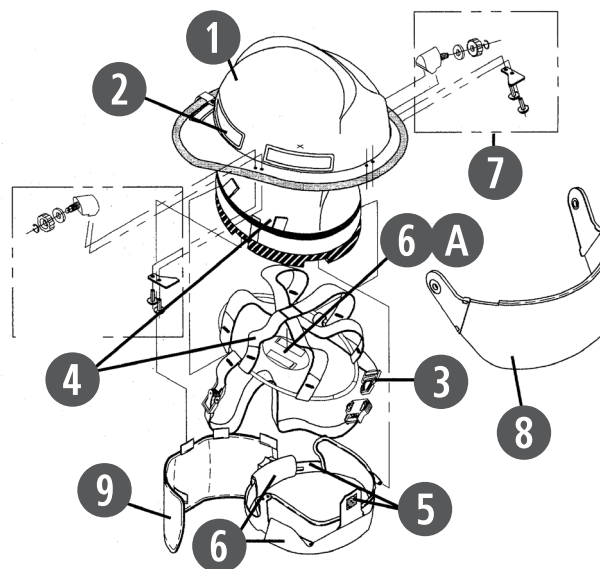
Colors shown are approximate.

660C Metro Defender & Invader 664 Defender Exploded View



	Replacement P/N Page		Replacement P/N Page
1	—	4	Impact Cap and Suspension 49
2	55	5	Ratchet Headband System 52
3	49	6	Cushions 52
		6 A	Crown Pad 52







660C Metro & Invader 664 Exploded View



	Replacement P/N Page		Replacement P/N Page
7	50	8	Face/Eye Protection 50
8	50	9	Earpal/Protective Hood 53

Select 660C & 664 Helmets available on the program

For the products listed below, if your order is entered by 2:30 PM, the product ships the same day from our warehouse in Pittsburgh, PA. Order customized MSA Cairns Modern Fire Helmets through Assemble-to-Order (ATO) on pages 26–27.

P/N	Description
660C HELMETS	
 660DSR	660C Red Fire Helmet with Clear Defender Visor, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
 660DSY*	660C Yellow Fire Helmet with Clear Defender Visor, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
 600CFSY	660C Yellow Fire Helmet with 4" Tuffshield, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
 660CFSB	660C Black Fire Helmet with 4" Tuffshield, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
664 HELMETS	
 664FSY	664 Yellow Fire Helmet with 4" Tuffshield, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
 664FSB	664 Black Fire Helmet with 4" Tuffshield, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim

*Will be removed from SoS program upon inventory depletion.

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: 6 $\frac{3}{8}$ to 8 $\frac{3}{8}$



(shown with Defender visor)

Features & Benefits

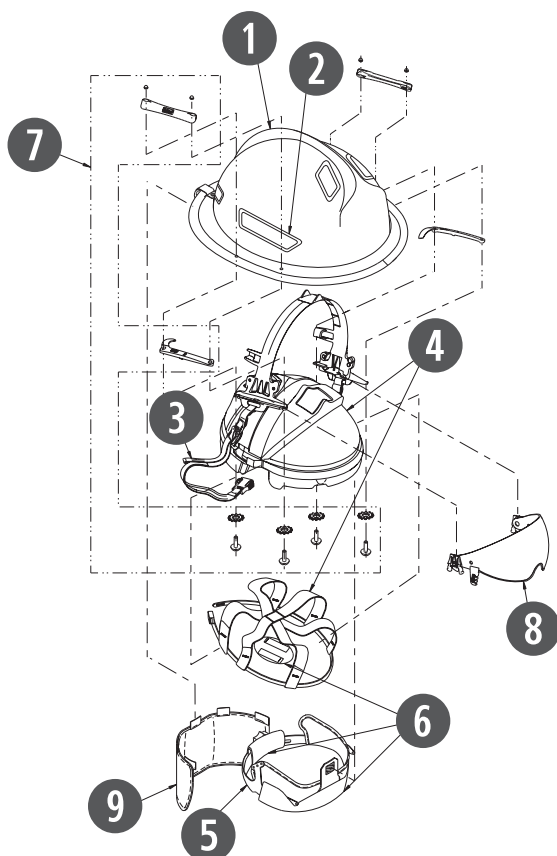
FEATURES	BENEFITS
Through-color Fiberglass Composite Shell	Maintains its color even after taking a beating on the fireground
Impact Cap	Provides superior thermal and impact protection when you need it most
Defender Visor Retractable Eye Protection	Deploys easily when you need it, stores securely inside your helmet shell when you don't
Adjustable NAPE Height	Three ratchet height positions to maximize comfort
Adjustable Headband Height	Ensures a perfect fit between your helmet and SCBA mask
D-ring Helmet Hanger	Fits on large hooks and resists bending
Nomex Chinstrap	Enhances safety, performance and fit thanks to quick-release buckles, postman's slide, and Velcro stowage system

Colors

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

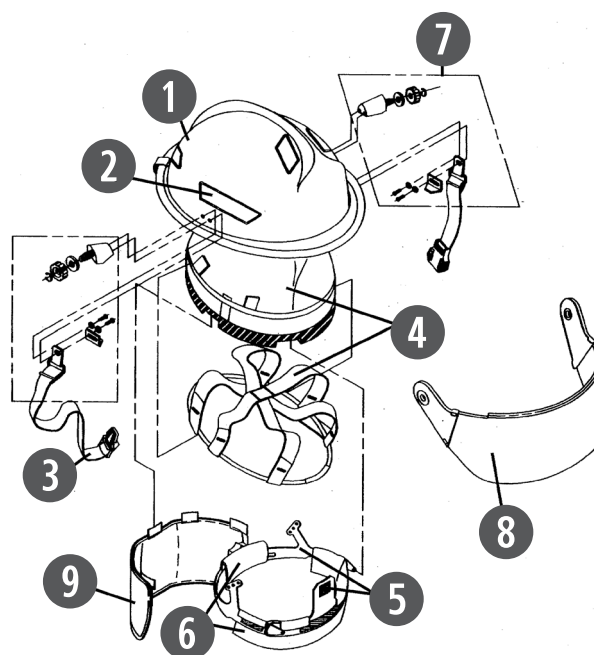
Colors shown are approximate.

Commando HP3 Defender Exploded View



	Replacement P/N Page
1 Helmet Shell	—
2 Reflective Trim	55
3 Chinstrap	49
4 Impact Cap and Suspension	49
5 Ratchet Headband System	52

Commando HP3 Exploded View



	Replacement P/N Page
6 Cushions	52
7 Face Shield Hardware	50
8 Face/Eye Protection	50
9 Earlap	53

Structural 360S, Rescue 360R, & Rescue 360R-13

For Structural Firefighting (Structural 360S and Rescue 360R) & USAR (Rescue 360R and Rescue 360R-13)

- Light-weight, low-profile design
- Rescue 360R and Rescue 360S feature same shell as 360S without the back watershed
- Structural 360S certified to NFPA 1971
- Rescue 360R certified to NFPA 1971 & 1951
- Rescue 360R-13 certified to NFPA 1951 for USAR
- Hat sizes: 6¾ to 7¾



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



MSA Cairns Rescue 360R
(shown with ESS Innerzone 2 Goggle and ClearCommand® HCS)



MSA Cairns Rescue 360R -13

Features & Benefits

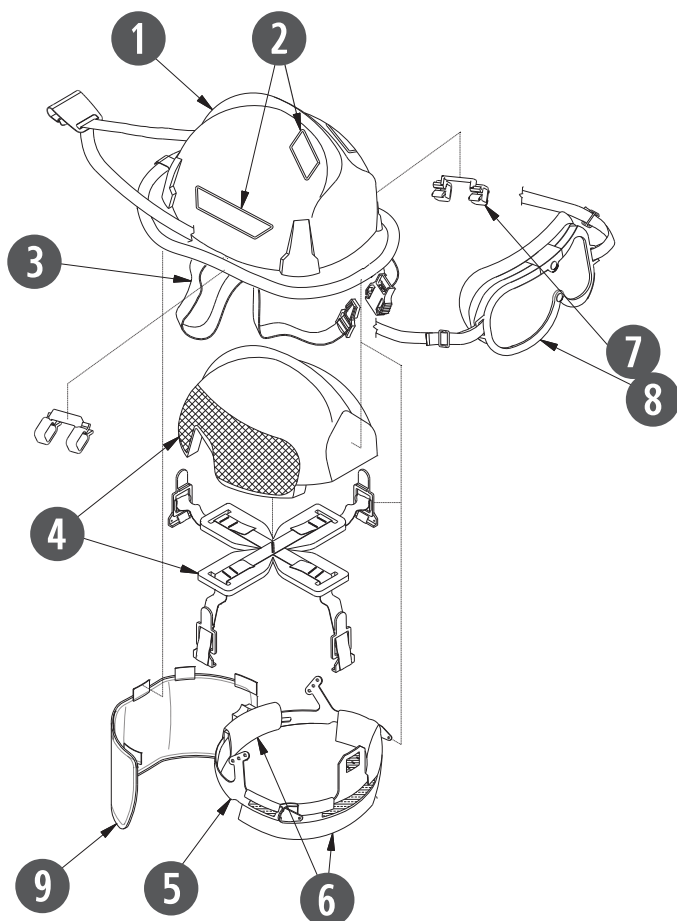
FEATURES	BENEFITS
Through-color Thermoplastic Shell	Maintains its color even after taking a beating on the fireground
Impact Cap	Provides superior thermal and impact protection when you need it most (not available on Rescue 360R-13)
Adjustable NAPE Height	Three ratchet height positions to maximize comfort
Adjustable Headband Height	Ensures a perfect fit between your helmet and SCBA mask
D-ring Helmet Hanger	Fits on large hooks and resists bending
Nomex Chinstrap	Enhances safety, performance and fit thanks to quick-release buckles, postman's slide, and Velcro stowage system

Colors

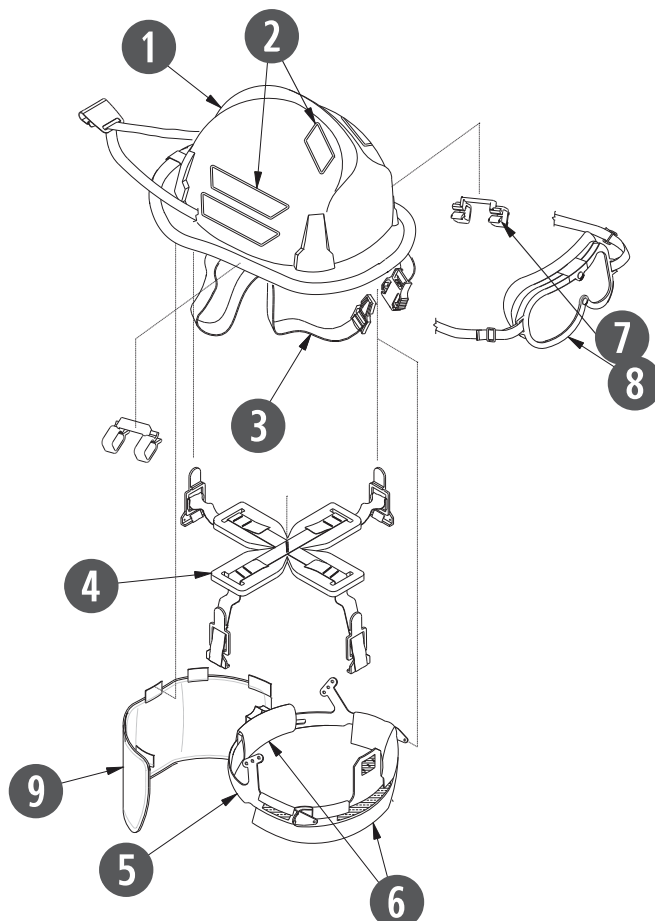
	Black	Yellow	Red	White	Orange	Blue
360 Series	■	■	■	■	■	■

Colors shown are approximate.

Structural 360S and Rescue 360R Exploded View



Rescue 360R-13 Exploded View



	Replacement P/N Page
1 Helmet Shell	—
2 Reflective Trim	55
3 Chinstrap	49
4 Impact Cap and Suspension (Structural 360S and Rescue 360R)	49
4 Suspension Only (Rescue 360R -13)	49

	Replacement P/N Page
5 Ratchet Headband System	52
6 Cushions	52
7 Face Shield Hardware	50
8 Face/Eye Protection	50
9 Earlap	53

MSA Cairns Modern Fire & Rescue Helmets

Assemble-to-Order (ATO) Selection Matrix

A	B	C	D	E
Model	Color	Eye/Face Protection	Headband Liners	Earlap
2 660C Metro	1 Black	0 None *	1 Economy Flannel	0 None *
5 Commando HP3 ⚡	2 Red	1 4" Tuffshield ▲	2 Standard Flannel	1 Yellow Nomex
6 Structural 360S	3 Blue ‡	2 Cairns 550 Goggles	3 Deluxe Leather w/Crown Pad	2 Yellow Nomex w/Underchin Extension
A Invader 664	4 White	4 ESS Innerzone 3 Goggles		3 PBI/Kevlar
B Rescue 360R ⚡	5 Yellow	5 ESS Innerzone 2 Goggles w/side-mounting hardware		5 Bloodborne Pathogen Resistant
C Rescue 360R-13 ★	6 Orange ‡	7 4" Standard Face Shield ▲		8 Black Nomex w/Underchin Extension **
D 660C Metro Defender ■	7 Green ‡	A 6" Gold-Coated Face Shield ●		9 CFR Aluminized Bonnet/PBI/Kevlar Shroud ●
E Invader 664 Defender ■	8 Pink † ‡	C Defender Visor, Clear ■		A Black Nomex
G Commando HP3 Defender ■ ⚡		D Defender Visor, Amber Tuffshield ■		
		G ESS Innerzone 2 Goggle w/low profile clip		

⚡ Also compliant to NFPA 1951

★ NFPA 1951 compliant only

■ Must specify Defender Visor in both "Model" & "Eye/Face Protection" selections

‡ Not available on Invader 664

* Not NFPA 1971 compliant

▲ Not available on 360R/R-13

● Non-Defender 660C/664 only

◆ 360R/R-13 and HP3 only

** Not available for helmets with Defender visor

▼ Not all trim colors are available in all trim types and shapes

⚡ NFPA compliant in lime/yellow only on all modern helmets

† NFPA compliant in lime/yellow and on 660C/664 only



F	G	H	I	J
Chinstrap	Trim Type	Trim Color ▼	Trim Shape	Add-Ons
1 Nomex w/Quick-Release 2 Nomex w/Quick-Release & Postman's Slide 4 Nomex w/Postman's Slide (360S only) 6 6" longer Nomex w/Postman's Slide (360S/R/R-13 and non-Defender 660C/664 only) 7 3-point w/Quick-Release ◆	0 None * 2 Reflexite (standard) 3 Scotchlite	1 Lime/Yellow (standard) 2 Red/Orange * 3 Blue (Reflexite only) * 4 White (Reflexite only) *	1 Tetrabar ✚ 2 Bar + 3 Diamond + 4 Triple Trim (Scotchlite only)	0 None 9 Frontpiece Bracket C Frontpiece Bracket and Frontpiece Installed

Column: A B C D E F G H I J

C-MOD-

PART NUMBER

QUANTITY

Cairns XF1 Fire Helmet



Technical Data

SIZE	
<i>Medium</i>	Head sizes from 6½–7¾
<i>Large</i>	Head sizes from 7⅞–8⅞
WEIGHT	Base helmet (with full face shield), 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)
FINISHES	Matte Glossy
APPROVALS	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)
SHELL	High temperature thermoplastic (injection molded)
IMPACT LINER	Shock-absorbing polyurethane foam with aramide reinforcement
CHINSTRAP	Kevlar®/Nomex blend
SOFT GOODS & EAR COVERS	Nomex
FULL FACE SHIELD	High temperature thermoplastic with AF/AS coatings

Colors

	Black	Red	White	Yellow
Cairns XF1	■	■	■	■

Colors shown are approximate.

Helmets

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

Accessories/Replacement Parts

MATERIAL NO.	DESCRIPTION
GA1484	XF1 Lighting module
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



GA1484








GA1087C

Front Plates



MSA Cairns Presentation Helmets and 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
 <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
		Medium	White
	Front Holder	Size	Color
 <p>880 Tradition Presentation Helmet</p>	6" Silk-screened Eagle		White
			Yellow
			Black
			Red
			Blue
			Orange
			Orange
	6" Silk-screened Maltese Cross		White
			Yellow
			Black
			Red
			Blue
			Orange
	Front Holder	Color	Part No.
 <p>1010 Pink Presentation Helmet</p>	6" Carved Brass Eagle	White	10052929
		Yellow	10052930
		Black	10052925
		Red	10052928
		Blue	10052926
		Orange	10052927
 <p>Mini Front Keychains</p>	6" Carved Brass Eagle	White	10052935
		Yellow	10052936
		Black	10052931
		Red	10052934
		Blue	10052932
		Orange	10052933

Color	P/N
Pink	10148817

Description	Style No.
1 panel on top	Style #39PG
Panels on top and bottom	Style #40AG
3 panels only, no graphics	Style #41

To order leather presentation helmets, see the **Leather Helmet Assemble-to-Order (ATO) Matrix** on pages 10–11.

MSA Cairns Components & Options

Earlaps

Replacement P/Ns: p. 51

				
DESCRIPTION	Yellow Nomex	Black Nomex	PBI/Kevlar	Underchin Extension


Chinstraps

Replacement P/Ns: p. 47

		
DESCRIPTION	2-point Black Nomex w/QRB	2-point Black Nomex w/QRB & Postman's Slide
		
DESCRIPTION	3-point Black Nomex w/QRB*	4-point Black Nomex**

Reflective Trim

Replacement P/Ns: p. 53

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

* For HP3 and 360R/R-13 only

** For 1010 and 1044 only

♦ 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 material options
- Flame-retardant
- Easy donning and doffing while wearing gloves
- Anti-fog coating on both sides of the lens to ensure visibility
- Superior anti-scratch coating on both sides of the lens for a longer life
- Easy lens replacement

Defender Visors

Replacement P/Ns: p. 48

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

NFPA-Compliant Bourke Eye Shield

Replacement P/Ns: p. 48

The NFPA-compliant Bourke Eye Shield is:

- Available for MSA Cairns Leather, 1010, 1044 and 880 Fire Helmets on ATOs
- NFPA 1971 compliant
- Side wrapping, with improved coverage compared to traditional flat lenses
- Fireground-proven, anti-scratch coated, polyarylate lenses
- Lenses are quickly stowable when not in use; easily deployed when needed
- Sturdy metal hardware with rubber capped screws 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)
- Easy to install—uses the same holes as non-compliant Bourke 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.



*1010/1044 fire helmets only

Faceshields

Replacement P/Ns: p. 48

The MSA Cairns 4" Tuffshield offers superior thermal and scratch resistance. Available for both Traditional and Modern-style Fire Helmets.

The MSA Cairns 4" Standard Faceshield is a lower-cost alternative for external visors. Available on Modern-style Fire Helmets.

The MSA Cairns 6" Gold Faceshield is available on select helmets and is compliant to NFPA 1971 for proximity firefighting ONLY.

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.



MSA Cairns 4" Tuffshield



MSA Cairns 4" Standard Faceshield

Goggles

Replacement P/Ns: p. 48

MSA Cairns Firefighter Goggles

Our series of NFPA-compliant firefighters' goggles are certified by an independent test lab to meet the performance requirements of the NFPA 1971, including the test for exposure to 500° F for 5 minutes. We offer three goggle styles (differentiated by attachment system):



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



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 & loop tabs.

Front Holders

Replacement P/Ns: p. 53

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

			
DESCRIPTION	Carved Brass Eagle	Carved Brass Beaver	Carved Brass Dragon
			
DESCRIPTION	Silk-Screened Eagle	Silk-Screened Maltese Cross	Carved Brass Parade Eagle*

Standard Fronts

Replacement P/Ns: p. 54

Design your own at www.msanet.com/fronts, and call 1-877-MSA-FIRE to order!

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

A Top Layer

Available in...

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

Black	White	Red
Yellow	Blue	Green
Orange	Brown	Gold**

B Print Layer

Available in...

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

Black	White	Red
Yellow	Blue	Green
Orange	Brown	Gold**

C Lettering

- Up to 4 lines
- ½" tall ♦
- 14 characters per line for optimal clarity

Black	White	Red
Yellow	Blue	Green
Orange	Brown	Gold**

D Graphics

• Attached

- Raised or sunken numbers
- Sunken fleur-de-lis
- Badges (p. 35)
- Decals (pp. 36–37)

• Printed

- Custom graphics available
- Printed graphics (p. 35)
- 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
GRAPHIC TYPE	Attached	Printed	Attached	Printed	Attached	Printed	Attached	Printed	Attached	Printed	None	None
												
6-Inch (for Traditional Helmets)												
STYLE NO.	19	20	21	22	23	24	25	26	27	28	29	30
5-Inch (for 880 Tradition)												
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
GRAPHIC TYPE	Attached	Printed	Attached	Printed	Attached	Printed	None
							
4-Inch (for Modern Helmets)							
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
GRAPHIC TYPE	Attached	Printed	Attached	Printed	Attached	Printed	Attached	Printed	None
									
8-Inch (for G5A and G64)									
STYLE NO.	10	11	12	13	14	15	16	17	18









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

Passport Fronts for Firefighter Accountability

Replacement P/Ns: p. 54

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. 32)

	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
6" PASSPORT SYSTEM				
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
FRAME					
# OF TEXT BLOCKS	No text blocks**		■		
	1 text block		■		■
	2 text blocks	■	■	■	■
INSERT					
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 1 1/4"










						
CHROME-PLATE	1 1/4"	FB21A	FB22A	FB21T	FB22T	FB2S
	1"	—	FB2S2A	—	—	—
24K GOLD-PLATE	1 1/4"	FB11A	FB12A	FB11T	FB12T	FB1S
	1"	FB1S1A**	FB1S2A**	FB1S1T**	FB1S2T**	FB1SS**

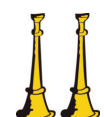








					
CHROME-PLATE	1 1/4"	FB22TX	FB23TX	FB24TX	FB25TX
	1"	—	FB2S3TX	FB2S4TX	FB2S5TX
24K GOLD-PLATE	1 1/4"	FB12TX	FB13TX	FB14TX	FB15TX
	1"	FB1S2TX**	FB1S3TX**	FB1S4TX**	FB1S5TX**

** For Front Style #35 only

Printed Graphics for Fronts

- Three sizes: 1", 1 1/4" and 2 1/2"
- Custom printed graphics available upon request







									
ID	A	B	C	D	E	F	G	H	I







									
ID	J	K	L*	M	N**	P	Q	R	T






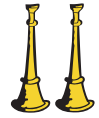
*Available only as a sunken cutout

Printed Graphics







- Available in vinyl or reflective Scotchlite
- Sizes: 1", 1¼" 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
	1¼"	10123023	10123027	10123031	10123035	10123016	10123020
	2½"	D101P	D102P	D103P	D104P	D105P	D106P
SCOTCHLITE	1"	10123026	10123030	10123034	10123038	10123019	10123043
	1¼"	10123024	10123028	10123032	10123036	10123017	10123041
	2½"	DS101P	DS102P	DS103P	DS104P	DS105P	DS106P

							
		Batt'n Chief	Chief Engineer	Fire Marshal	Platoon Chief	Engineer	Captain w/2 Trumpets
VINYL	1"	10123046	10123050	10123190	10123214	10123218	10123222
	1¼"	10123044	10123048	10123188	10123212	10123216	10123220
	2½"	D107P	D108P	D114P	D130P	D109P	D110P
SCOTCHLITE	1"	10123047	10123051	10123211	10123215	10123219	10123223
	1¼"	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
	1¼"	10123224	10123228	10123232	10123236	10123240	10123244
	2½"	D111P	D112P	D113P	D115P	D129P	D121P
SCOTCHLITE	1"	10123227	10123231	10123235	10123239	10123243	10123247
	1¼"	10123225	10123229	10123233	10123237	10123241	10123245
	2½"	DS111P	DS112P	DS113P	DS115P	DS129P	DS121P

Decals

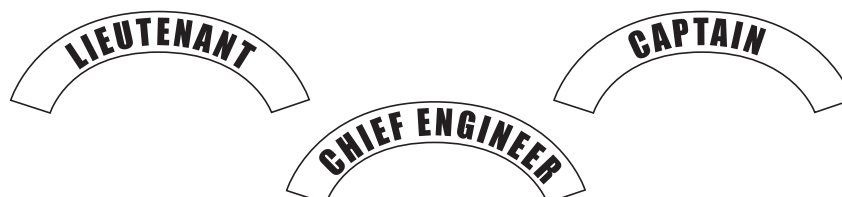
							
		1 Trumpet	5-Trumpet Burst	4-Trumpet Burst	3-Trumpet Burst	2-Trumpet Burst	Fireman's Scramble
VINYL	1"	10123250	10119010	10119012	10119014	10119016	10119020
	1 3/4"	10123248	D123P	D124P	D125P	D126P	D128P
	2 1/2"	D122P	10119039	10119041	10119043	10119045	10119049
SCOTCHLITE	1"	10123251	10119011	10119013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

						
		EMS Star of Life	Chaplain's Cross	Shamrock	American Flag	Custom Decal*
VINYL	1"	10119022	10119024	10119026	10119057	—
	1 3/4"	D131P	D133P	D134P	D135P	—
	2 1/2"	D116P	10119053	10119055	10119057	D99P
SCOTCHLITE	1"	10119023	10119025	10119028	10119058	—
	1 3/4"	DS131P	DS133P	DS134P	DS135P	—
	2 1/2"	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



Printed Gold Fronts

Replacement P/Ns: p. 54

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



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. 54

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 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 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:

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

Company:

Contact:

Phone:

PO #:

For office use only below this line

SO#:

Shop #:

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

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

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**
L – Loose or **A** – Attached

14. **Text**
Fill in the appropriate lines of text for your front style up to 18 characters per line. Spaces and punctuation marks each count as one character. Include centered numbers as one line (4 for 6" and 8" fronts; 3 for 4"). Fill in top to bottom.

Standard Fronts

LINE 1																			
LINE 2																			
LINE 3																			
LINE 4																			



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. Give the completed form(s) to your sales representative or fax them to 800-967-0398.

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:

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

Company:

Contact:

Phone:

PO #:

For office use only below this line

SO#:

Shop #:

9. Panel Color

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

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 or **N** – No printed text

11. Graphic Type

For attached graphics:

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

L – Loose or **A** – Attached

14. Text

Fill in the appropriate lines of text for your front style up to 18 characters per line. Spaces and punctuation marks each count as one character. Include centered numbers as one line (4 for 6" passports; 3 for 4"). Fill in top to bottom.

Standard Fronts

TEXT BLOCK 1

TEXT BLOCK 2

Printed Gold Fronts **Order Form**

Build your own front at 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.

Company: _____

Contact: _____

Phone: _____

PO #: _____

For office use only below this line

SO#: _____

Shop #: _____

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													



ClearCommand® Fire Helmet Communication System

The ClearCommand® Fire Helmet Communication System (PN 10042902) is a radio interface that improves sending and receiving messages—even in high-noise environments. The system simply snaps onto the fire helmet suspension. There are no pressure points, so the system is comfortable to wear.

The system also:

- Virtually eliminates high ambient noise levels via bone-conduction voice transmitter
- Maintains transmission quality through facepiece head harness, hood and liner
- Is intrinsically safe for use in hazardous environments
- Easily snaps onto the fire helmet ratchet
- Quickly transfers from one helmet to another without tools
- Offers reversible boom speaker configuration to let users position it over either ear
- Connects to our lapel microphone and PTT
- Includes flannel pad for cushioning



Brand	Radio Model	Lapel Mic	PTT
BENDIX-KING	DPH-5102X, EPH, EPI, EPU,EPV, GPH, LPH, LPI, LPU, LPX, MPH	10042938	10045707
E.F. JOHNSON	5850, 5855, 5860, 5861, 5862, FM-5852, LX-2442/2443, ZX-2452/2453	10042942	10045711
	5100 series (511x, 5133, 514x, 518x)	10091194	10055501
	VIKING CL-00/5870/5876/5877/8560/8561/8565/8566/8570/8571/8587/8591, CH-HM91	10042943	10045712
GE ERICSSON	Jaguar 700P/700PI, P700IP/7150/7170, HT-7150S/7170T, HA8VSX	10068237	10070362
	500P, KPC	10042933	10045702
	Monogram	10042934	10045703
	GF (PACUDX), MPA, MPD, MTL, PAPST5, TPX	10042932	10045701
ICOM	IC-F14	10093301	
	IC-2A/2AT/2AE, ICH-2/6/12/16, ICU-2/6/12/16, IC-F11/F11S/F21/F21BR/F21S/F3033S	10042944	10045713
	IC-F30/30LT/40/40LT	10042946	10045715
	IC-F30GS/F30GT/F40GS/40GT	10058090	10067523
	IC-F50/F60/F70, M88, 4161	10072223	10064623
	Side connector IC-F3GS/F3GT/F4G-2/F4GT/F12/F12S/F22/F22S		10045714
	Top Load IC-F3S/F4S/F10/F20	10042945	10045714
KENWOOD	TK-190/280/290/290K/380/390/480/481/2140/2180/3140/3180/5210/5220, NX200/300/300K	10042941	10045710
	TK-08/220/240/248/250/260/270/270G/272/308/320/340/350/353/360/370/372/373G/430/2100-K2/2160/2170/2200/2202/2302/2312/3101K/3160/3170/3173/3200/3202/3212/3360,TH21/25A/41/45/75/91A/2102/3102, DEMITOSS 9 (JAPAN), FREETALK LINE	10042939	10045708
	TK-230/330	10042940	10045709
KYODO	KG-209	10093729	10093730
MACOM/HARRIS	P5100/5130/7100/7150/7200	10068237	10070362
	P5300/5400/7300, XG-25/75	10126347	10128997
MAXON	PL-1145/2245/5161/5164		10061404
	SP-2000 Series, SP-2550/2850, SL-70W	10042947	10045716
	SP-5000 Series, CP-0500 Series	10042948	10045717
MIDLAND	70-145/148/154/245/254	10042951	10045720
	70-153	10042949	10045718
	70-165/166/265/266	10042950	10045719
	70-195/295	10042952	10045721

ClearCommand Fire Helmet Communication System

Brand	Radio Model	Lapel Mic	PTT
MOTOROLA	GP-900, HT-1000, JEDI, JT-1000, MT-1500/2000, MTS-2000, MTX, MTX-838/839/2000/8000/9000 Transcript Stealth, PR1500, PTX-1200/3600, XTS-1500/2250/2500/3000/3500/5000/5000R	10042903	10045662
	APX-4000/5000/6000/7000, DGP-6150+, XPR-6500/6550/6580	10092733	10108643
	270, 280, FR-50/60, 289/5100/5200/5300/5320/5400/5410/5420/5600/5620/5700/5720/5800/5820/6200/6210/6220/6250/6300/6310/6320/6400/7200, Talk About	10061629	10061630
	AXU-4100, CP-100, SP-10/21		10059441
	EX-500/560/600	10053716	10057505
	EXPO, HT-10, RADIUS P10/50	10042924	10045693
	GP-350	10042930	10045699
	GP-350 (QD)	10042931	10045700
	HT-50/90/440, RADIUS P100	10042925	10045694
	GP-328/329/338/339/340/360/680, HT-750/1250/1550/1550-XLS, MTX-850/850-LS/950/4550/8250/8250-LS/9250, PR-860, PRO 5150/7150/7350/7550/9150, PTX-700/760/780	10042922	10045691
	GP-328 (QD), HT-750 (QD)/1250 (QD), PRO 5150 (QD)	10042923	10045692
	MT-500	10042928	10045697
	MX-300/310/320/340/350/360	10042927	10045696
	AP-73, CLS Series, CP-150/200/300, CT-150/185/250/250LS/450/450LS, EP-450, GP-63/68/88/300/308/2000, GTX, GTX-8250, LTS-2000, MAG ONE A-8, MTX-638, P110/1225, MU-21CV/21CZ, PR-400, PRO 2150/3150, SP-10/21/50, SPIRIT-111, SPIRIT-Pro, SU-21C, XTN Series, XTV-2100, XU-2100, XV-1100, XZ-1100	10042905	10045664
	VISAR	10042926	10045695
RELM/SMARTCOM	Minicom 3200, MPS, MPU-08B/32, MPV-08/32, WHS150	10042953	10045722
RITRON/JOB COM	JBX-151, JMX-100/400 Series, RTX-150/450, SST Series	10042954	10045723
STANDARD	HX-240U/V	10042935	10045704
	HX-320	10042936	10045705
	HX-381/482/580T/581T/582T/585T/587T	10042937	10045706
TEKK	T-20/40/50/60	10042955	10045724
UNIDEN	SPH Series, SPU Series	10042956	10045725
	SPS-310T/320TS	10042957	10045726
VERTEX	VX-2R/160/180/210/417/420/424/427/454	10058088	10073293
YAESU-VERTEX	FT-11R/41R/416/816, FTH-2005/2008/2009/7005/7008/7009	10042958	10045727
	FT-76	10042962	10045779
	FTH-2070	10042960	10045729
	F-10/40/50, FT-50R, VX-10/300, VX-400, VXF Series	10042959	10045728
	VX-500/510	10042961	10045730
	VX-600/600U/600UB/600V/600VB/800/900	10058089	10061244

	P/N	Description
PARTS & ACCESSORIES	10046087	Dust Cover
	10046123	Guard Ring, Tall
	10046122	Guard Ring, Short
	10046120	Belt Clip Assy
	10046121	O-ring, Single Pin Connector
	10045778	Flannel Head Band Liner



MSA Cairns Replacement Parts

Impact Cap Replacement Kits*

P/N	Description	N5A & N6A	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
IMPACT CAP REPLACEMENT KITS W/ STANDARD CHINSTRAP									
10170236	Clear Lens and Standard Headband		■						
10170240	Clear Lens and Deluxe Headband		■						
10170237	Tuffshield Lens and Standard Headband		■						
10170241	Tuffshield Lens and Deluxe Headband		■						
IMPACT CAP REPLACEMENT KITS W/ POSTMAN'S SLIDE CHINSTRAP									
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		■						
IMPACT CAP REPLACEMENT KITS WITH DEFENDER**									
10092441	Upgrade kit w/QRB, Clear Defender, Standard Liner & Yellow Nomex Earlap				■				
10092445	Upgrade kit w/QRB, PS, Clear Defender, Standard Liner & Yellow Nomex Earlap				■				
10092453	Upgrade kit w/QRB, PS, Clear Defender, Deluxe Liner & PBI Kevlar Earlap				■				
10096895	ICA w/QRB, PS, Standard Liner & Yellow Nomex Earlap				■				
10096829	ICA w/QRB, PS, Standard Liner & Yellow Nomex Earlap					■			
10096892	ICA w/QRB, PS, Deluxe Liner & PBI/Kevlar Earlap					■			
IMPACT CAP REPLACEMENT KITS FOR NON-DEFENDER HELMETS									
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						■	■	

*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.

Chinstraps

P/N	Description	N5A & N6A	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
CHINSTRAPS									
C892P	w/Quick Release Buckle (QRB)	■	■		■	■	■	■	■
C893P	w/QRB & Postman's Slide (PS)	■	■		■	■	■	■	■
C922P	w/QRB & PS (Non-Defender 1010/1044)		■						
10050221	w/QRB & PS			■					
C893LP	w/QRB & PS (3" longer)						■		
10172168	4-Point Chin Strap Upgrade Kit	■*	■						

* For use only on MSA Cairns Leather Fire Helmets originally assembled with a 4-pt. chinstrap.

Eye & Face Protection

P/N	Description	N5A & N6A	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
DEFENDER VISOR									
 10077117	Clear Lens w/ Hardware		■		■	■			
10077118	Amber Tuffshield Lens w/ Hardware		■		■	■			
DEFENDER VISOR HARDWARE									
10145812	Replacement Hardware Kit (no lens)		■		■	■			
10101798	Nose Pad Kit (5 pk)		■		■	■			
10077121	Replacement Retainer Tab		■						
10096795	Replacement Retainer Tab				■				
10096796	Replacement Retainer Tab					■			
FACESHIELDS									
 10071006	4" Tuffshield w/ Wing Protectors	■	■	■	■				
 10037315	4" Standard w/ Wing Protectors			■	■	■	■		
S606GP	6" Gold-Coated (for proximity firefighting)		■		■				
FACESHIELD HARDWARE									
 S918P	Faceshield Hardware Kit	■	■	■					
S910P	Faceshield Hardware Kit				■				
S620P	Faceshield Hardware Kit					■			
S912P	Faceshield Hardware Kit						■		
10063598	Faceshield Nut Kit	■	■	■	■	■	■		
S950P	Faceshield "E" Clips (50 pk)	■	■	■	■	■	■		
S204P	4" Faceshield Wing Protectors (Pair)	■	■	■	■	■	■		
S206P	6" Faceshield Wing Protectors (Pair)	■	■	■	■	■	■		
GOGGLES									
 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	■	■	■	■	■	■	■	■
GOGGLE HARDWARE									
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	■	■	■	■	■	■	■	■
HARDWARE AND BOURKES LENSES									
 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 N5A leather helmets only.

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



Soft Goods Kits

P/N	Description	NSA & N6A	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
SOFT GOODS KITS									
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			■					
10168350	Standard Liner, Yellow Nomex Ear Lap with Underchin Extension , Ratchet Pad, Mesh Laundering Bag		▲		■	■	■	■	■
10168351	Standard Liner, Black Nomex Ear Lap with Underchin Extension, 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)	❖							

▲ 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.



Same Day Shipping on Our Most Popular Items

When you can't afford to wait another day! We offer our most popular MSA Cairns products in our Stock-Order-Ship (SOS) program. For these products, if your order is entered by 2:30 PM, 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 MSA Cairns Fire Helmets through Assemble-to-Order (ATO). ATO forms are on every fire helmet product page on www.MSASafety.com

Headbands, Ratchet Assemblies, and Soft Goods

P/N	Description	N5A & N6A	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
HEADBAND ASSEMBLIES AND SELECT SOFT GOODS									
10177752	Suspension Strap & Headband Assembly, Standard		●						
10177753	Suspension Strap & Headband Assembly, Leather		●						
10162871	Standard Headband with Ratchet and Front Liner		●						
10162873	Deluxe Leather Headband with Ratchet and Front Liner		●						
LK27P	Economy Flannel Headband & Ratchet Liner		■		■	■	■	■	■
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	◆							
RATCHET ASSEMBLIES (NO SOFT GOODS)									
RBP	Ratchet Headband System	■							
RHBP	Ratchet Headband System		▲		■	■	■	■	■
10046721	Ratchet Headband System			■					
M615P	Headband Retention Tabs (set of 4)		■		■	■			
HEADBAND SOFT GOODS									
10162905	Standard Headband Liner		●						
10162906	Deluxe Leather Headband Liner		●						
10145416	Standard Flannel Headband & Ratchet Cushions only		▲	■	■	■	■	■	■
10145417	Deluxe Leather Headband & Ratchet Cushions w/Crown Pad		▲	■	■	■	■	■	■
LCPP	Flannel Crown Pad		■	■	■	■			
FCPP	Foam Crown Pad	■							
10191684	Flannel Ratchet Pad (washable)	■	■	■	■	■	■	■	■
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.



Earlaps & ARFF Proximity Hoods

P/N	Description	N5A & N6A	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
EARLAPS									
 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			■					
ARFF PROXIMITY HOODS									
10041994*	Aluminized PBI/Kevlar Shroud		■		■				
10041993*	Aluminized PBI/Kevlar Bonnet				■				
10041992*	Aluminized PBI/Kevlar Bonnet		■						

Front Holders

P/N	Description	N5A & N6A	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-T3
FOR 6" FRONTS									
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	Silk-Screened Eagle		■						
M6P	Silk-Screened Maltese Cross		■						
10065952	Carved Brass Eagle			■					
10049738	Silk-Screened Eagle			■					
10049739	Silk-Screened Maltese Cross			■					
FOR 5" FRONTS									
10049736	Silk-Screened Eagle			■					
10049737	Silk-Screened Maltese Cross			■					
FOR 8" FRONTS									
M7P	Carved Brass Parade Eagle	Presentation Helmets Only							
HARDWARE									
10047527	Front Holder Hardware Kit (set of 3)	■	■	■					
M16P	Mounting Bracket		■	■					
M12P	Mounting Bracket				■	■	■	■	■

* Must have both bonnet and shroud for compliance to NFPA 1971 proximity firefighting requirements.

Fronts & Accessories

P/N	Description	N5A & N6A	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
6" FRONTS & ACCESSORIES									
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)	■	■	■					
4" FRONTS & ACCESSORIES									
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)				■	■	■		
8" STANDARD FRONTS & ACCESSORIES									
F10P-F18P	8" Front	Leather Presentation Helmets Only							
AN6P	Acorn Nuts for Fronts (50 pk)								
FSMP	Front Mounting Screws (50 pk)								
PRINTED GOLD FRONTS									
F70P-F73P	8" Printed Gold Front	Leather Presentation Helmets Only							
F74P-F81P	6" Printed Gold Front	■	■	■					
F82P-F83P	4" Printed Gold Front				■	■	■	■	■
KEYCHAINS									
39PG	Keychain with 1 panel on top								
40AG	Keychain with panels on top and bottom								
41	Keychain with 3 panels								
FRONT ACCESSORIES									
E101P	Tin Maltese Cross Emblem	■	■	■	■	■	■	■	■
FB1P	Gold-plated Badge	■	■	■	■	■	■	■	■
FB2P	Chrome-plated Badge	■	■	■	■	■	■	■	■



Reflective Trim & Accountability

P/N	Description	N5A & N6A	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
TETRAHEDRONS									
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	■	■	■					
10062656	Scotchlite, Lime/Yellow w/ silver center bar, 8 per sheet	■	■	■					
10062655	Scotchlite, Red/Orange w/ silver center bar, 8 per sheet	■	■	■					
STRIPES									
R16YP	Reflexite, Lime/Yellow, 1"x 4", 16 per sheet				■				
R16RP	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				■				
TETRABARS & STRIPES									
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*					■	■	■	■
ACCOUNTABILITY NUMBERS									
Call Customer Service	2" Accountability Numbers, 20 per pack	■	■	■	■	■	■	■	■
AS006	1 3/4" x 2 1/2" Velcro Accountability Tag	■	■	■	■	■	■	■	■

* Not NFPA 1971 compliant

Edge Beading & Other Shell Hardware

P/N	Description	N5A & N6A	MSA Cairns 1010 & 1044	880 Tradition	660C Metro & Invader 664	Commando HP3	Structural 360S	Rescue 360R	Rescue 360R-13
EDGE BEADING									
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			■					
OTHER SHELL HARDWARE									
M4P	Helmet Hanger Replacement Kit		■		■		■	■	■
10049831	Helmet Hanger Replacement Kit			■					
10113989	Helmet Hanger Replacement Kit					■			
S921P	Acorn Nut Kit	■	■	■	■				
M10P	Brass Crown Piece	■							
10177418	Kit, Replacement Velcro (50 helmets)		■						



*For information on MSA Cairns Fire and Rescue Helmets,
or any product in the MSA Fire Service Suite, please contact MSA Customer Service
at 1-877-MSA-Fire or visit our website at www.MSAfire.com.*

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice.

MSA operates in over 40 countries worldwide. To find an MSA office near you, please visit MSAsafety.com/offices.