

Defender[®] Visor for Cairns[®] Commando HP3[®] Fire/EMS/Rescue Helmet

Patent Pending



MSA
The Safety Company



Integral, retractable, close-fitting visor. Low-profile, rugged eye protection for the no-brim Commando HP3 Cairns EMS/Rescue Helmet with inner foam impact cap. Pull the visor down to protect eyes; push it up to stow inside helmet.

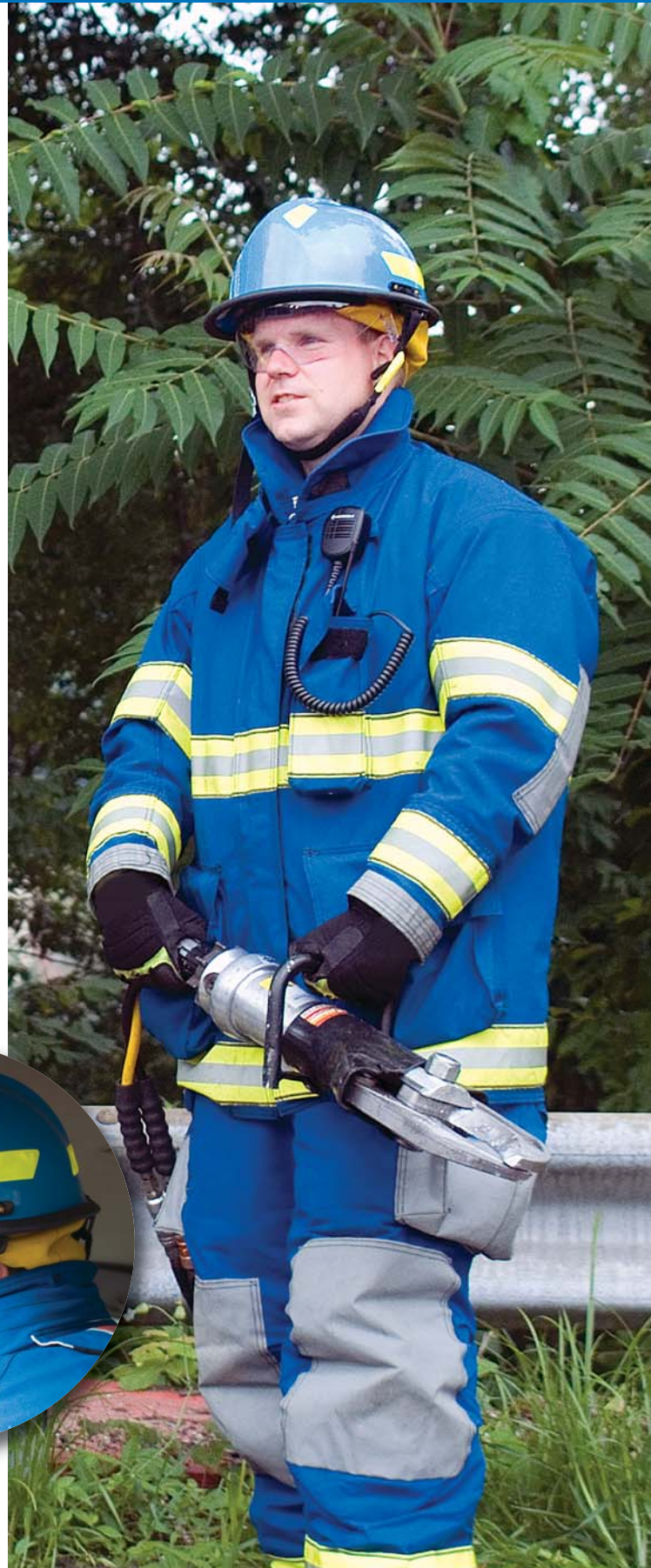
- **Just raise visor to stow; lower visor for eye protection.**
- **Eye protection stays clean and ready to use, stored inside the helmet.**
- **Lowest-profile EMS helmet available is good for tight spaces.**
- **Optional accessories are a 3-point chinstrap and bloodborne-pathogen-resistant earlaps.**

MSA's Defender Visor is retractable eyewear that's ready when you need it. It stays clean inside the Commando HP3 Cairns helmet until you need eye protection during search-and-rescue, vehicle extrication, and other tough jobs.

MSA Cairns rescue helmets are the lightest, lowest-profile helmets available. EMS and rescue personnel benefit from wearing them, especially during vehicle extrication and confined space rescue. This rugged helmet provides both the comfort needed for all-day use and the protection required to meet the NFPA standards (NFPA 1971-compliant for structural firefighting, and NFPA 1951-compliant for urban search and rescue—USAR).

The visor's exclusive design defines compact convenience. Its sleekness and attractive construction promote fast, easy raising and lowering, even with gloved hands. And don't be concerned about slippage. It's securely stowed until YOU pull it down.

Standard clear and amber Tuffshield visors are compliant with NFPA 1971, and all Defender Visors meet ANSI Z87.1+ Standard. The optically correct lens eliminates peripheral distortion. The visor quickly disconnects for fast lens changes, and requires no tools.





Foam Impact Cap

Integrated Defender Visor

Tube-Lock System

6-Point Overhead Suspension

Aluminum-Core Edge Trim

Adjustable Front & Back Headband

Optional Bloodborne-Pathogen-Resistant Earlap

Commando HP3 Cairns Helmet

Optional 3-Point Chinstrap

If you're thinking of buying a new Cairns rescue helmet with a lower profile or if you're ready to replace the impact cap in your current Commando HP3 Cairns Helmet, consider the streamlined advantages of adding the new NFPA-compliant Defender Visor from MSA.

New Commando HP3 Cairns helmet assemblies incorporating the patent-

pending Defender Visor may be ordered through the Modern Helmets Assemble-To-Order Matrix (see last page). Or, you may choose an upgrade kit (includes new impact cap) that lets you install the Defender Visor in your current Commando HP3 Cairns helmet yourself.

Together, MSA's Defender Visor and the Commando HP3 Cairns helmet give you

durability, light weight, and high performance as the lowest-profile fire helmet available.

For more details about Cairns Rescue Helmets, please see MSA Bulletin 3600-37-MC.

Description	Part number
Defender Upgrade Assembly (660/644 Only)	
Clear Lens w/ QR Chinstrap	10092441
Amber Tuffshield Lens w/ QR Chinstrap	10092442
Smoke Lens w/ QR Chinstrap	10092443
Mirror Lens w/ QR Chinstrap	10092444
Clear Lens w/ Slide	10092445
Amber Tuffshield Lens w/ Slide	10092446
Smoke Lens w/ Slide	10092447
Mirror Lens w/ Slide	10092448
Defender Replacement Lens Assembly	
Lens Assembly, Clear, Defender	10077117
Lens, Assembly, Amber Tuffshield, Defender	10077118
Lens, Assembly, Smoke, Defender	10077119

Description	Part number
Lens, Assembly, Mirrored, Defender	10077120
Defender Replacement Earlap	
Nomex, Flannel	10076377
PBI / Kevlar, PBI / Kevlar Fleece	10076378
PBI / Kevlar, PBI / Moisture Barrier	10076379
Nomex, Black, Flannel	10076380
Defender Replacement Earlap w/ Under-chin Extension	
Nomex, Flannel	10076421
PBI / Kevlar, PBI / Moisture Barrier	10076422
Chinstrap Replacement, Defender	
Nomex w/ Quick Release Buckle	C892P
Nomex w/ Quick Release Buckle and Postman's Slide	C893P
Tab, Retaining, Replacement, Defender, 660/664	
	10096795
Tab, Retaining, Replacement, Defender, HP3	
	10096796

Assemble-to-Order Matrix

Model	Color	Eye Protection	Headband Liners	Earlap	Chinstrap	Trim Type	Trim Color	Trim Shape
1 990 Intruder	1 Black	0 None*	1 Economy Flannel	0 None	1 Nomex with Quick Release	0 None*	0 Standard	0 Standard
2 660C Metro	2 Red	1 4" Tuffshield	2 Standard Flannel	1 Yellow Nomex	2 Nomex with Quick Release & Postman's Slide	2 Reflexite (Standard)	1 Lime/Yellow	1 Tetrabar
5 HP3	3 Blue†	2 Cairns ESS Goggles	3 Deluxe Leather with Crown Pad	2 Yellow Nomex with Underchin Extension	3 3" longer Nomex with Quick Release & Postman's Slide (360 Only)	3 Scotchlite	2 Red/Orange*	2 Bar
5 HP3 Commando	4 White	3 Cairns Goggles		3 PBI/Kevlar	4 Nomex with Postman's Slide (Not available on HP3)		3 Blue* (Reflexite only)	3 Diamond
6 360 Structural	5 Yellow	4 ESS Innerzone 3 Goggles		4 PBI/Kevlar with Underchin Extension	6 6" longer Nomex with Postman's Slide		4 White*	4 Triple Trim (Scotch-lite only)
7 360 Structural without Edge Bead	6 Orange‡	5 ESS Innerzone 2 Goggles		5 Bloodborne Pathogen Resistant	7 3-Point with Quick Release (HP3 only)			
A Invader 664	7 Green‡	6 ESS Innerzone 1 Goggles		6 Yellow Nomex Winter Hood				
B Rescue 360R+		7 4" Standard Faceshield		7 PBI Winter Hood				
C Rescue* 360R-13		8 6" Standard Faceshield		9 CFR Aluminized Bonnet with PBI/Kevlar Shroud & Nomex Earlap				
D 660C Metro Defender■		9 4" Gold-Coated Faceshield**		A Black Nomex				
E Invader 664 Defender■		A 6" Gold-Coated Faceshield						
G HP3 Commando Defender■		B ESS Striketeam XTO Goggle**						
		C Defender Visor, Clear■						
		D Defender Visor, Amber Tuffshield■						

- * Not NFPA approved
- † Not available on 360
- ‡ Not available on Invader 664
- ** Available only on 360 and HP3

- x Not all colors available in all types and shapes
- + Rescue 360R not available with faceshield
- Must specify Defender Visor in both model & eye protection sections

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Visor Stowed



Visor Deployed



Four available visor shades

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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