

Defender[®] Visor for Cairns[®] Modern Style Helmets

660C Metro[™] | Invader 664[™] | Commando HP3[®] Protective Helmets

Patent Pending





Integral, retractable, close-fitting visor for modern-style Cairns® Helmets. Pull the visor down to protect eyes; push it up to stow inside helmet. Low-profile, rugged eye protection.

- **Eye protection stays clean stored inside the helmet.**
- **Lowest-profile helmet available is good for tight spaces.**
- **Order with your new helmet or as a user-upgrade kit.**
- **Never lose or misplace your eye protection again.**

MSA's Defender Visor is retractable eyewear that's ready when you need it. It can be worn with three modern-style Cairns helmets: The 660C Metro, the Invader 664, and the Commando HP3. It stays clean inside your helmet until you need eye protection during overhaul and non-IDLH search-and-recovery.

The Defender 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.



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I n v a d e r 6 6 4



C o m m a n d o H P 3

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



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

New Cairns helmet assemblies incorporating the patent-pending Defender Visor may be ordered through the Modern Helmets Assemble-To-Order Matrix (see last page). An upgrade kit (includes new impact cap) lets you install the Defender Visor in your modern-style Cairns helmet yourself.

Together, the Defender Visor and MSA's Cairns modern-style helmets give you durability, lightweight, and a high-performance design with the lowest profile fire helmet available. Once again, MSA has incorporated the latest technological advances with the best helmet materials and design.

Description	Part number
Defender Upgrade Assembly (660/664 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		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	2 Standard Flannel	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
6 360 Structural	4 White	3 Cairns Goggles	3 Deluxe Leather with Crown Pad	3 PBI/Kevlar	4 Nomex with Postman's Slide (Not available on HP3)		3 Blue* (Reflexite only)	3* Diamond
7 360 Structural without Edge Bead	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)
A Invader 664	6 Orange‡	5 ESS Innerzone 2 Goggles		5 Bloodborne Pathogen Resistant	7 3-Point with Quick Release (HP3 only)			
B Rescue 360R+	7 Green††	6 ESS Innerzone 1 Goggles		6 Yellow Nomex Winter Hood				
C Rescue* 360R-13		7 4" Standard Faceshield		7 PBI Winter Hood				
D 660C Metro Defender*		8 6" Standard Faceshield		9 CFR Aluminized Bonnet with PBI/Kevlar Shroud & Nomex Earlap				
E Invader 664 Defender*		9 4" Gold-Coated Faceshield**		A Black Nomex				
G HP3		A 6" Gold-Coated Faceshield						
Commando Defender*		B ESS Striketeam XTO Goggle**						
		C Defender Visor, Clear*						
		D Defender Visor, Amber Tuffshield*						

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

C-MOD-

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



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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