



FAQs Defender® Visor for Modern Style Cairns Helmets

Q. What is the Defender Visor?

A. *The Defender Visor is a retractable visor system that stores between the impact cap and the shell of Cairns Modern Style 660C Metro, Invader 664, and Commando HP3 helmets. The Defender Visor flips down for immediate protection during overhaul, extrication and other jobs requiring eye protection.*

Q. How much does this option cost?

A. *The Defender Visor costs slightly more than ESS goggles or a 4" faceshield.*

Q. Can customers upgrade existing Cairns 660C Metros, Invader 664s, and Commando HP3s?

A. *Yes, in order to do this the customer must replace the impact cap of their existing helmet.*

Q. Why must the customer replace the impact cap?

A. *The impact cap for the Defender Visor has a cut-out in the impact cap for the lens to fit between the shell and impact cap. There is no difference in the level of protection afforded by the helmet to the user. The construction materials offer the same protection against fire, heat, and impact.*

Q. Does the Defender Visor "replace" existing eye protection; i.e. 4" Faceshield?

A. *No, the Defender Visor is not a replacement product. It's simply another option for eye protection on the Assemble-To-Order Matrix.*

Q. What does optically correct lens mean?

A. An optically correct lens means that when the user looks through the lens, their peripheral vision is not distorted.

Q. What approvals does the Defender Visor meet?

A. The Clear and Amber Tuffshield Defender Visors both meet NFPA 1971-2007. All four lenses meet ANSI Z87.1+ requirements.

Q. Why don't the other finishes meet the NFPA requirements?

A. The Smoke and Mirrored versions of the Defender Visor are too dark to meet the NFPA optical requirements.

Q. Is the Defender Visor Primary or Secondary Eye Protection?

A. The Defender Visor is currently approved as a faceshield, which is secondary eye protection. Due to the definitions of spectacles and goggles in ANSI Z87.1, the Defender Visor could only be approved as a faceshield.

Q. Does NFPA 1971-2007 require users to also wear primary eye protection?

A. NFPA 1971-2007 is a product performance standard and does not address nor require primary eye protection, the standard does require secondary eye protection on all helmets. Please refer to Individual Fire Department SOPs for customer's standard practices.

Q. Does the user need tools to change-out a lens?

A. The Defender Visor Lens is easily replaceable without the use of tools. Simply open the lens to the deployed position, squeeze together the tabs on each end of the lens and it comes right out.

Q. How does the weight of a Cairns 660C Metro/Invader 664 with Defender Visor compare to other eye protection options?

A. The Cairns 660C Metro/Invader 664 with Defender Visor is up to 7% lighter than Cairns 660C Metro/Invader 664 with other forms of eye protection. See below:

- Cairns 660C Metro/Invader 664 with ESS Goggles46 oz.
- Cairns 660C Metro/Invader 664 with Defender Visor47 oz.
- Cairns 660C Metro/Invader 664 with 4" Clear Faceshield . . .51 oz.



Commando HP3 Helmet



660C Metro Helmet



Invader 664 Helmet

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.



Corporate Headquarters
P.O. Box 426, Pittsburgh, PA 15230 USA
Phone 412-967-3000
www.MSAFire.com

U.S. Customer Service Center
Phone 1-877-MSA-FIRE
Fax 1-800-967-0398

MSA Canada
Phone 1-800-MSA-2222
Fax 905-238-4151

MSA Mexico
Phone (52) 55 2122 5770
Fax (52) 55 5359 4330

MSA International
Phone 412-967-3354
FAX 412-967-3451

