

3M Science.
Applied to Life.™

Comfort Without Compromise

3M™ SecureFit™ X5000 Safety
Helmet is designed for comfort and
protection for those ready to raise
their standard of head protection



A Safety Helmet That Rises Above

From our proprietary design to our industry-leading innovations, the 3M™ SecureFit™ Safety Helmet is engineered with workers in mind. The result is a revolutionary helmet design.



3M™ SecureFit™ Pressure Diffusion Technology

The 3M™ SecureFit™ X5000 Safety Helmet provides 3M innovation in comfort, safety and design. If you wear a safety helmet for a full shift, you want it to be comfortable and fit properly. The 3M™ SecureFit™ Pressure Diffusion suspension system flexes and self-adjusts to the size of the wearer's head, reducing forehead pressure and increasing comfort for all-day wear.

20%

Pressure Reduction* on the forehead

Exclusive suspension with 3M™ SecureFit™ Pressure Diffusion Technology automatically adjusts to the forehead as the ratchet knob is turned.

*Average 20% reduction compared to legacy 3M suspension systems.



Suspension system incorporates exclusive patented SecureFit™ Pressure Diffusion Technology.

- ▶ Flexes and self-adjusts to the size of the wearer's head.
- ▶ Fits a wider range of head sizes from 6-1/4 to 7-7/8 (50-63 cm).
- ▶ Reduces pressure and increases comfort for all-day wear.



Features & Benefits

3M™ UVicator™ sensor provides a visual cue when it is time to replace your safety helmet due to UV exposure.



Your Logo Here*
Customize your hard hat

Elastic Band Clips
Integrated clips help hold elastic bands used with 3M goggles and headlamps.

6-point Suspension
Allows wearer to customize height and fit. Helps provide weight distribution.

Vented models include premium chin strap with **magnetic quick-release buckle**

Optional vented models allow for more airflow

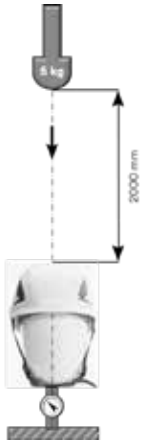
Optional 3M™ Scotchlite™ Reflective Material

- Highly reflective
- Durable and easy to inspect for continuing performance
- Reflects when wet

Easy-turn Ratchet Suspension System
Sits low on the head to increase security and reduce pressure



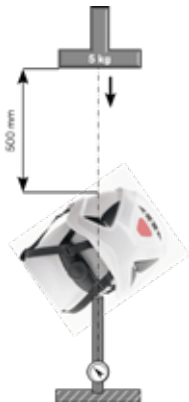
Impact Protection Comparison Matrix



Force Transmission Top



Standard	Energy	Mass	Max Force Limit (avg)
ANSI Z89.1 Type I	55J	3.6 kg	3,780N
EN 12492	100J	5 kg	10,000N
EN 397	49J	5 kg	5,000N



Force Transmission - Side, Front, Rear



Standard	Energy	Mass	Max Force Limit (avg)
EN 12492	25J	5 kg	10,000N

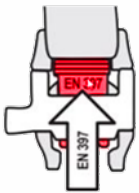


Penetration Top

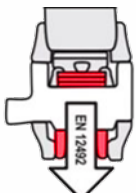


Standard	Energy	Mass	Max Force Limit (avg)
ANSI Z89.1 Type I	25J	1 kg	Pass
EN 12492	30J	3 kg	Pass
EN 397	29J	3 kg	Pass

Selectable Chinstrap



In default **EN397** position, the chinstrap will break free between 150 and 250 N in order to reduce potential strangulation hazards if working around industrial machinery. This default position is inline with US OSHA guidance on PPE.



If the selectable red switches are engaged, the chinstrap will meet **EN12492** chinstrap retention strength and retention/roll off clauses for customers in applications where increasing the break-away strength, so the helmet stays on the head, takes safety priority.

Note: Illustrations show view of chin strap clips when safety helmet is upside down.



3M™ SecureFit™ X5000 Safety Helmet

Technical Specifications

Rating

- ▶ Non-vented safety helmets meet ANSI Z89.1
 - Type I, Class G and E requirements
- ▶ Vented safety helmets meet ANSI Z89.1
 - Type I, Class C requirements
- ▶ High Vis hard hat colors meet ANSI Z89.1 High-Visibility Performance requirements

Tested to and meets the following performance requirements of the European Standard EN12492:

- ▶ 4.2.1.1 Vertical Energy Absorption
- ▶ 4.2.1.2 Front Energy Absorption
- ▶ 4.2.1.3 Side Energy Absorption
- ▶ 4.2.1.4 Rear Energy Absorption
- ▶ 4.2.2 Penetration
- ▶ 4.2.3 Chinstrap Retention Strength (Selectable chinstrap in EN12492 switch position only)
- ▶ 4.2.4 Chinstrap Retention/Roll Off (Selectable chinstrap in EN12492 switch position only)

Sizing

- ▶ Fits hat sizes 6 ¼ to 7 7/8 Head circumference 19¼ – 24 7/8 inches (50cm – 63cm)

Total Weight (non-vented, with SecureFit™ Suspension): 12.4 oz

Material

- ▶ UV Stabilized ABS
- ▶ Nylon Cradle
- ▶ Headband: HDPE
- ▶ Sweatband: Coated Foam

Colors

- ▶ White, Red, Yellow, Orange, Green, Blue, Black, High-Viz Green

Country of Origin

- ▶ Poland

3M™ SecureFit™ Safety Helmet X5000 Accessories

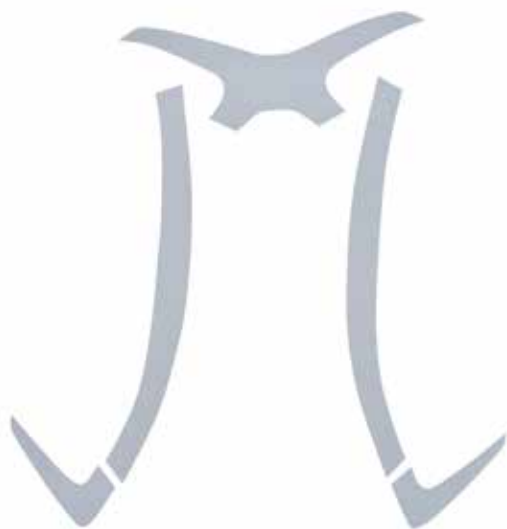
3M™ Chin Straps for 3M™ SecureFit™ Safety Helmet X5000

An adjustable plastic buckle chin strap comes as standard, or opt for a magnetic buckle chin strap for added safety. Excellent ventilation with ports on sides and back. 4-point chin strap selector system unique to 3M allows wearer to convert between EN 12492 and EN 397 standards*.

X5-P4PTCS2 3M™ Premium 4-Point Chin Strap with Magnetic Buckle and Selector
X5-P4PTCS1 3M™ Premium 4-Point Chin Strap with Magnetic Buckle
X5-S4PTCS2 3M™ Standard 4-Point Chin Strap with Buckle and Selector
X5-S4PTCS1 3M™ Standard 4-Point Chin Strap with Buckle



3M™ Scotchlite™ Reflective Kit



3M™ Scotchlite™ Reflective Striping Kit has a pressure sensitive adhesive transfer system that makes the product easy to use and is self-adhering.

3M™ X5-REFKIT Reflective Sticker Kit for SecureFit™ Safety Helmet

*Vented models ship with X5-P4PTCS2 Premium 4-Point Chin Strap with Magnetic Buckle and Selector
Non-vented models ship with X5-S4PTCS2 Standard 4-Point Chin Strap with Buckle and Selector

3M™ SecureFit™ Safety Helmet X5000 Accessories

3M™ Replacement Sweatband

The 3M™ SecureFit™ Safety Helmet sweatbands can be removed for cleaning, but these replacement sweatbands are available if needed.

3M™ X5-BWPD01 Black/Grey Replacement Sweat Band for SecureFit™ Safety Helmet



3M™ Replacement Suspension and Straps



Extend the life of your 3M™ SecureFit™ Safety Helmet with an approved 6-point suspension replacement part. Or easily add a strap to your 4-point suspension to create a 6-point suspension system.

3M™ X5-6PTSUS Replacement 6 Point Suspension for SecureFit™ Safety Helmet

3M™ PELTOR™ Accessories

Works well with 3M™ SecureFit™ Safety Helmet

3M™ PELTOR™ X Series Earmuffs

Key Features:

- Designed to help maintain comfortable pressure and protection all day
- Guides help to easily adjust earmuff positions over the ears
- Durable, long-lasting ABS plastic cups with soft over-molding are designed to perform even in tough work conditions
- Wide, soft foam ear cushions designed for high comfort and an effective seal with the head



3M™ PELTOR™ X4 Earmuffs X4P3E

3M™ PELTOR™ LiteCom Headsets



Integrated hearing protection & radio communications allows for clear, hands-free communication in high levels of noise without cumbersome cables or cords.

- Noise attenuating ear cups help provide hearing protection in environments with potentially hazardous noise
- Two-Way Radio Communication
- VOX (Voice Operated Transmit)
- 3 Models to choose from

3M™ PELTOR™ WS™ LiteCom Pro III

3M™ PELTOR™ WS™ LiteCom Plus

3M™ PELTOR™ LiteCom FRS



PELTOR™
Protection & Communication

3M™ Integrated Faceshields and Visors



3M™ Short Visor for SecureFit™ X5000 Safety Helmet
Molded out of polycarbonate for impact protection, featuring an anti-fog/anti-scratch coating.



X5-SV01, Clear, AF/AS



X5-SV02, Gray, AF/AS



X5-SV03, Amber, AF/AS

3M™ W-Series Faceshields

Variety of material options available to help minimize the effects of scratches and fogging

- Clear, tinted and coated product alternatives
- Meets the requirements of ANSI Z87.1 and CSA Z94.3



**3M™ PELTOR™ Hard Hat
Adapter for Visors P3EV/2-10P**

For use with 3M™ U5B-ANSI Faceshield Holder, Hard Hats and/or Safety Helmets

3M™ U5B-ANSI Faceshield Holder



WP96 Clear Polycarbonate
Faceshield



WP96C Dark Green
Polycarbonate Faceshield

3M™ Integrated Protective Eyewear

Designed with a toolless clip-on attachment to connect to the headband of a helmet or hard hat, 3M™ V9 Protective Eyewear connects directly to the 3M™ SecureFit™ Safety Helmet X5000 Series.

This protective eyewear is easy to adjust and retracts neatly between the hard hat shell and suspension when not in use.

Compatibility

- ▶ Attaches directly to safety helmet suspension
- ▶ Without traditional temple arms, the helmet integrated protective eyewear will not interfere with the acoustic seal of helmet mounted earmuffs

Convenience

- ▶ Retracts between safety helmet suspension and shell, helping to protect the lens when not in use
- ▶ Nose bridge design adds extra protection for the lenses, preventing scratches from the helmet
- ▶ Can act as a “Primary Protector” per ANSI and OSHA Guidance

Comfort

- ▶ Three pivot adjustment points allow easy maneuvering and adjustment for closeness and height
- ▶ Anti-Fog coated lens



V901AF
Lens: Clear



V902AF
Lens: Grey



V903AF
Lens: Amber

3M™ Task Lights

3M Task Lights include 3 AAA batteries with 3 attachment options:

- ▶ 3M™ Dual Lock fastener for securing the headlamp direct to the helmet
- ▶ Rubber head band for a secure attachment to fit over and around the helmet
- ▶ Nylon head band to allow the user to wear the light without the helmet



- ▶ 70 lumen, task light
- ▶ 4 lighting modes
- ▶ ~78 grams
- ▶ Up to 150hrs on low setting and 74hrs on its high setting
- ▶ Water-resistant (IPX-4 rated)

HL100



- ▶ 150 lumen light
- ▶ Flood Light Setting
- ▶ ~83 grams
- ▶ Up to 150hrs on low flood setting and 28hrs on its high spot setting
- ▶ Water-resistant (IPX-4 rated)

HL200



- ▶ Intrinsically safe equipment in hazardous locations Class I, II and III; Division 1 and 2; Groups A-G; Temp Class T4; Ambient Temperature range, Ta -20 to 40C
- ▶ 150 lumen with flood and spotlights
- ▶ ~92 grams
- ▶ Up to 108hrs in spot setting and 95hrs in flood setting
- ▶ Waterproof (IPX-7 rated)

HL300IS

3M™ Speedglas™ Welding Safety

The 3M™ Speedglas Adaptor allows the user to easily attach 3M™ Speedglas™ 9100 and 9100FX Welding systems to X5000 Safety Helmets. When used with recommended filters, these welding solutions are designed for most welding processes such as Shielded Metal Arc Welding (SMAW), Metal Inert Gas (MIG), and Tungsten Inert Gas (TIG).



9100 Series Welding Helmet

- 06-0014-00NR: 3M™ Speedglas™ 9100 Adapter
- 06-0614-00NR: 3M™ Speedglas™ 9100FX Adapter



3M™ Speedglas™ 9100 Welding Helmet

- 06-0300-52SW – No Suspension
- 06-0300-51SW – w/ Suspension



3M™ Speedglas™ 9100FX Welding Helmet

- 06-0600-00SW w/ Suspension



3M™ Speedglas™ Auto Darkening Filters

Selectable Shades 5, 8-13

- 06-0000-10 - 1.80" x 3.70" ADF Viewing Area
- 06-0000-20 - 2.10" x 4.20" ADF Viewing Area
- 06-0000-30 - 2.80" x 4.20" ADF Viewing Area
- 06-0000-30i - 2.80" x 4.20" ADF Viewing Area (Natural Color)



Speedglas™
Welding Safety

Ordering Information

SAP I.D.	Product I.D.	Color	BU/UOM
3M™ SecureFit™ Safety Helmet X5000: Unvented, Class G & E Certified			
7100175570	X5001-ANSI	White	10/cs
7100175571	X5002-ANSI	Yellow	10/cs
7100175572	X5003-ANSI	Blue	10/cs
7100175573	X5004-ANSI	Red	10/cs
7100175574	X5005-ANSI	Green	10/cs
7100175575	X5007-ANSI	Orange	10/cs
7100175576	X5012-ANSI	Black	10/cs
7100175577	X5014-ANSI	Hi-Viz Green	10/cs
3M™ SecureFit™ Safety Helmet X5000: Vented, Class C Certified			
7100175578	X5001V-ANSI	White	10/cs
7100175579	X5002V-ANSI	Yellow	10/cs
7100175580	X5003V-ANSI	Blue	10/cs
7100175581	X5004V-ANSI	Red	10/cs
7100175582	X5005V-ANSI	Green	10/cs
7100175583	X5007V-ANSI	Orange	10/cs
7100175584	X5012V-ANSI	Black	10/cs
7100175585	X5014V-ANSI	Hi-Viz Green	10/cs
3M™ SecureFit™ Safety Helmet X5000: Unvented, Class G & E Certified, with 3M™ Scotchlite™ Reflective Material			
7100175554	X5001X-ANSI	White	4/cs
7100175555	X5002X-ANSI	Yellow	4/cs
7100175556	X5003X-ANSI	Blue	4/cs
7100175557	X5004X-ANSI	Red	4/cs
7100175558	X5005X-ANSI	Green	4/cs
7100175559	X5007X-ANSI	Orange	4/cs
7100175560	X5012X-ANSI	Black	4/cs
7100175561	X5014X-ANSI	Hi-Viz Green	4/cs
3M™ SecureFit™ Safety Helmet X5000: Vented, Class C Certified, with 3M™ Scotchlite™ Reflective Material			
7100175562	X5001VX-ANSI	White	4/cs
7100175563	X5002VX-ANSI	Yellow	4/cs
7100175564	X5003VX-ANSI	Blue	4/cs
7100175565	X5004VX-ANSI	Red	4/cs
7100175566	X5005VX-ANSI	Green	4/cs
7100175567	X5007VX-ANSI	Orange	4/cs
7100175568	X5012VX-ANSI	Black	4/cs
7100175569	X5014VX-ANSI	Hi-Viz Green	4/cs

Ordering Information (continued)

SAP I.D.	Product I.D.	Description	BU/UOM
3M™ Scotchlite™ Reflective Material			
7100175590	X5-REFKIT	3M™ Scotchlite™ REFLECTIVE STRIPE KIT	10/cs
3M™ Faceshield and Visor Adapters (Compatible with 3M™ SecureFit™ Safety Helmet)			
7100179142	U5B	3M™ U5B-ANSI Faceshield Holders for SecureFit™ Safety Helmet(Connects to P3EV/2-10P Adapter)	10/cs
7000103847	P3EV/2-10P	3M™ Peltor Hard Hat Adapter for Visors, Face Protection	10/cs

SAP I.D.	Product I.D.	Material	Tint	Coating	BU/UOM
3M™ Short Visor for SecureFit™ X5000 Safety Helmet (Connects to P3EV/2-10P Adapter)					
7100176969	X5-SV01	Polycarbonate	Clear	AF/AS	10/cs
7100176970	X5-SV02	Polycarbonate	Grey	AF/AS	10/cs
7100176971	X5-SV03	Polycarbonate	Amber	AF/AS	10/cs

SAP I.D.	Product I.D.	Product Number	Material	Shade	Coating	Radiant Heat Resistance	BU/UOM
3M™ W-Series Faceshields							
7000002339	82701-00000	WP96	Polycarbonate	Clear			10/cs
7000052753	82600-00000	WCP96	Polycarbonate	Clear	AF/AS		10/cs
7000127232	8252-00000	WP96B	Polycarbonate	Medium Green			10/cs
7000002340	82702-00000	WP96C	Polycarbonate	Dark Green			10/cs
7000127240	82705-10000	WP96IR3	Polycarbonate	IR Shade 3			10/cs
7000127241	82706-10000	WP96IR5	Polycarbonate	IR Shade 5			10/cs
7000052705	82504-00000	WP96AL	Polycarbonate	Clear	Aluminum	●	10/cs
7000052706	82518-00000	WP96BAL	Polycarbonate	Medium Green	Aluminum	●	10/cs
7000127169	82509-00000	WP96CAL	Polycarbonate	Dark Green	Aluminum	●	10/cs
7000127238	82602-00000	WCP96G	Polycarbonate	Clear	Gold	●	10/cs
7000144939	82603-00000	WCP96BG	Polycarbonate	Medium Green	Gold	●	10/cs
7000127239	82604-00000	WCP96CG	Polycarbonate	Dark Green	Gold	●	10/cs
7000127168	82506-00000	W96M	Metal	Mesh			10/cs
7000127231	82511-00000	W96MW	Metal	Mesh			10/cs

SAP I.D.	Product I.D.	Description	BU/UOM
3M™ Chin Straps for 3M™ SecureFit™ Safety Helmet X5000			
7100175589	X5-P4PTCS2	3M™ Premium 4-Point Chin Strap with Magnetic Buckle and Selector	10/cs
7100207541	X5-P4PTCS1	3M™ Premium 4-Point Chin Strap with Magnetic Buckle	10/cs
7100175587	X5-S4PTCS2	3M™ Standard 4-Point Chin Strap with Buckle and Selector	10/cs
7100207831	X5-S4PTCS1	3M™ Standard 4-Point Chin Strap with Buckle	10/cs

SAP I.D.	Product I.D.	Description	BU/UOM
3M™ Replacement Accessories for 3M™ SecureFit™ Safety Helmet X5000			
7100180680	X5-SWB01	3M™ X5-BWPD01 Black/Grey Replacement Sweat Band for SecureFit™ Safety Helmet	10/cs
7100180703	X5-6PTSUS	3M™ X5-6PTSUS Replacement 6-Point Suspension for SecureFit™ Safety Helmet X5000	10/cs

Ordering Information (continued)

SAP I.D.	Product I.D.	Tint	Coating	BU/UOM
3M™ Integrated Protective Eyewear				
7100101916	V901AF	Clear	AF/AS	20/cs
7100205236	V902AF	Grey	AF/AS	20/cs
7100205235	V903AF	Amber	AF/AS	20/cs

SAP I.D.	Product I.D.	Description	BU/UOM
3M™ PELTOR™ Hearing Protection and Communications			
7000104078	X4P3E	3M™ PELTOR™ X4P3E Earmuff with adapter	10/cs
7100204440	MT53H7P3E4602-NA	3M™ PELTOR™ LiteCom FRS with adapter	10/cs
7100204436	MT73H7P3E4610WS6NA	3M™ PELTOR™ WS LiteCom Plus with adapter	10/cs
7100153110	MT73H7P3E4D10NA	3M™ PELTOR™ WS LiteCom Pro III with adapter	10/cs

SAP I.D.	Product I.D.	Description	BU/UOM
3M™ Speedglas™ Welding Solutions			
7000127722	06-0014-00NR	3M™ Speedglas™ 9100 Helmet Adapter	1/cs
7000148536	06-0614-00NR	3M™ Speedglas™ 9100FX Helmet Adapter	1/cs
7000127133	06-0300-52SW	3M™ Speedglas™ 9100 Welding Helmet - No Suspension	1/cs
7000127135	06-0300-51SW	3M™ Speedglas™ 9100 Welding Helmet - with Suspension	1/cs
7100062057	06-0600-00SW	3M™ Speedglas™ 9100FX Welding Helmet - with Suspension	1/cs
7010385085	06-0000-10	3M™ Speedglas™ 9100v Auto Darkening Filter Shades 5, 8-13 - viewing area 1.80" x 3.70"	1/cs
7010316249	06-0000-20	3M™ Speedglas™ 9100X Auto Darkening Filter Shades 5, 8-13 - viewing area 2.10" x 4.20"	1/cs
7010385086	06-0000-30	3M™ Speedglas™ 9100XX Auto Darkening Filter Shades 5, 8-13 - viewing area 2.80" x 4.20"	1/cs
7010342472	06-0000-30i	3M™ Speedglas™ 9100XXi Auto Darkening Filter Shades 5, 8-13 - viewing area 2.80" x 4.20"	1/cs
7000127123	06-0200-10	ADF Inside Protector Plate for 9100V	10/cs
7100019783	06-0200-20	ADF Inside Protector Plate for 9100x	10/cs
7000127125	06-0200-30	ADF Inside Protector Plate for 9100xx	10/cs
7010385936	06-0200-51	ADF Outside Protector Plate 9100 Standard	10/cs
7100145631	06-0200-52	ADF Outside Protector Plate 9100 Scratch Resistant	10/cs
7000127128	06-0200-53	ADF Outside Protector Plate 9100 High Temperature	10/cs

SAP I.D.	Product I.D.	Description	BU/UOM
3M™ Hard Hat Task Light			
7010386281	HL100	70 Lumens	10/cs
7010316628	HL200	150 Lumens	10/cs
7010386282	HL300IS	150 Lumens, Intrinsically Safe	10/cs

▲ WARNING

3M™ SecureFit™ Safety Helmet X5000 Series provides Limited Protection only. Misuse or failure to follow warnings and User Instructions may result in serious personal injury or death. For proper use and selection see Supervisor, User Instructions or call 3M PSD Technical Service in the USA at 1-800-243-4630. In Canada, call Technical Service at 800-267-4414.

For more information:

In U.S.:

Technical Assistance 1-800-243-4630
Customer Service 1-800-328-1667
3M.com/workersafety

In Canada:

Technical Assistance 1-800-267-4414
Customer Care 1-800-364-3577
3M.ca/Safety

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