



Busch PROtective

PRODUCT CATALOG

PROTECT
WHAT
MATTERS



Busch PROtective



LETTER FROM OUR CEO

Holding our catalog in your hands instills in me a sense of pride. It means that we succeeded in gaining your trust—a valuable currency among public safety professionals.

We at Busch PROtective see ourselves not only as a manufacturer of protective gear but as a partner standing shoulder to shoulder with our customers, offering the best products on the market. We believe that in a world of global change, personal protective equipment (PPE) not only needs to provide the highest level of protection but also act as a versatile tool for you to perform your mission. With our best-in-class family of products, we have created an impressive line of helmet systems that are specially designed for you—a professional working in law enforcement, civil disturbance, fire protection, or search and rescue.

With our claim “Protect What Matters,” we deliberately avoid a clear definition of what matters. You and only you know what that is. We, at Busch PROtective, are proud to provide you the best possible equipment to protect what matters to you.

Stay safe and... protect what matters.


Edwin Busch,

CEO

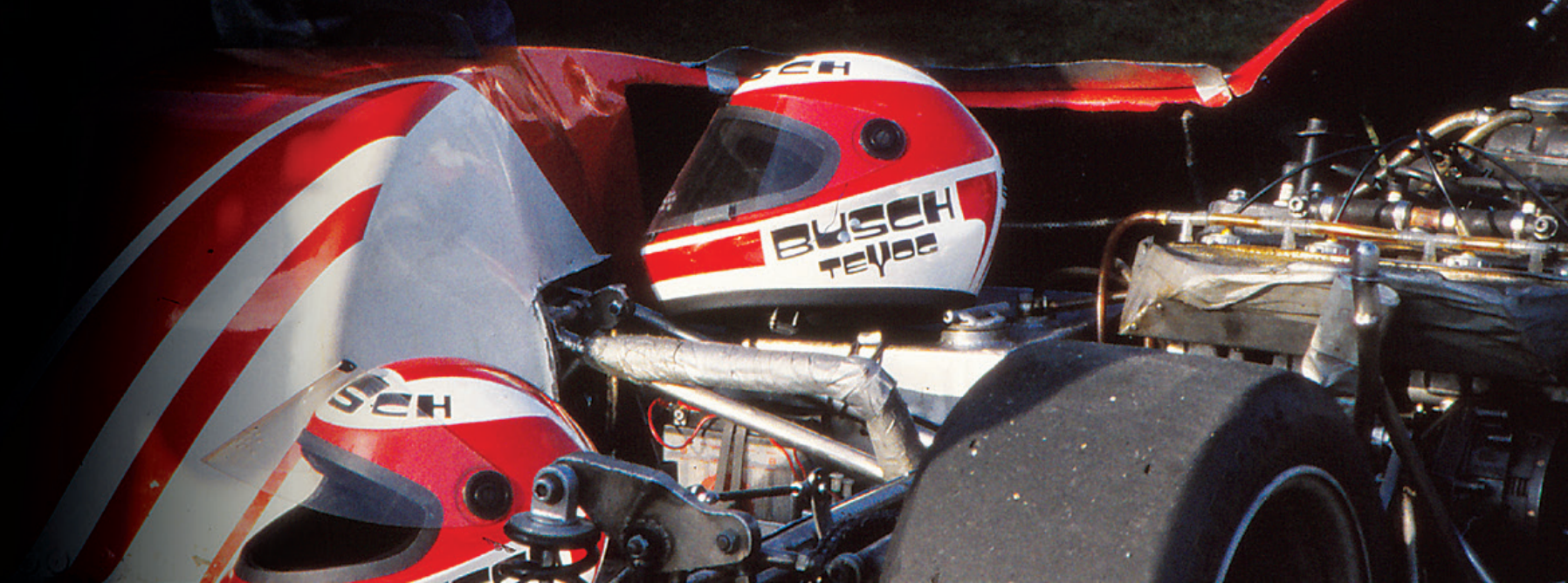
A handwritten signature in black ink, appearing to read 'Edwin Busch'.



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40+ YEARS OF PROtection



1981

FOUNDED

Busch PROtective was founded in 1981 by Egon Busch to develop and produce protective headgear for motorcyclists. With this original goal—to provide groundbreaking civilian head protection—the company laid the foundation of its later success.

1990

EARLY DAYS

From its early days, Busch PROtective has been focused on going the extra mile when it comes to developing superior protective products. In the early 1990s, after selling thousands of motorcycle helmets to the European market, the company was selected to develop a new ballistic helmet for the German Army. After several years of research in ballistic labs around the world, Busch PROtective developed complex ballistic solutions of which the basic trooper helmet is still in use today.

1991

EUROPEAN MARKETS

Introducing a successful product into the European ballistic helmet market prompted the development of sister company Sestan-Busch located in Croatia, which is now one of the largest military helmet manufacturers in Europe, providing military-grade helmet systems to the global defense market.

1995

GERMAN MANUFACTURING

In 1995, Busch PROtective re-entered the civilian market with the production of high-end safety helmets. The company soon became one of the largest helmet manufacturers in Germany, selling hundreds of thousands of helmets per year; designed and made in Germany and assembled in a separate production facility in the Czech Republic.

2007

FIRE RESCUE

In the early 2000s, the company joined forces with Dräger to produce high-end helmets for the global firefighter market, providing another milestone in the company's history of developing and producing superior helmet systems with state-of-the-art mass production.

2014

SECOND GENERATION

In 2014, Edwin Busch assumed control of the company, offering a second generation of capable leadership with a fresh take on the ballistic helmet market. With a legacy starting in the early 80s and an exciting future ahead, Busch PROtective again entered a new market and soon became the leading helmet company in the ballistic and non-ballistic market, providing helmet systems focused towards Law Enforcement and Rescue Services.

2016

RAISING THE BAR

In 2016, the company developed the world's first non-metal VPAM certified helmets, successfully combining its expertise in the military, firefighter and civilian helmet markets. The company succeeded in not only certifying its new line of helmets to this gold standard of ballistic head gear, but also broke the mold in providing a system that is over 25% lighter than any other helmet on the market. Selling thousands of VPAM certified helmets to the European market, Busch PROtective soon started to expand into the global market, partnering with distributors around the world.

2018

NORTH AMERICA

In 2018, the company founded a new location in the United States to provide faster service and local assembly to the growing North American market. Outfitting numerous Federal agencies including FBI, DEA, U.S. Marshalls, ATF, as well as multiple US Law Enforcement, Fire and Rescue teams, Busch PROtective became the world leader in head protection systems specifically designed for Public Safety operations. Working closely with the Department of Justice, the expected level of ballistic performance out of helmet systems vastly improved with the launch of the DEA-FBI Ballistic Helmet Testing Protocol in 2019.

TODAY

LEADING FROM THE FRONT

With nearly a half-century of experience developing and producing the best protective gear in the industry, we are excited to be able to continue to offer state-of-the-art products, service, and performance to a growing legion of customers around the world.



Busch PROtective



VERTICAL INTEGRATION & DEVELOPMENT

From Concept to PROtection

From concept...to production, we collaborate with industry leading experts, operators, and material specialist while maintaining control of our development and design process in-house. By implementing rapid-prototyping and immediate end-user feedback, we are able to find custom solutions, while ensuring that final production meets our strictest standards.

BUSCH MODULARITY

BUILDING THE PERFECT CUSTOM HELMET SYSTEM FOR YOUR OPERATIONAL NEEDS



By designing helmet systems with modular components, we have the ability to build and deliver customized helmet systems not just to unique teams, but specific individuals as needed.



Integrating unique design features such as our CMR-1 Rail that can accept the Speed Connect System and attach visors, mandibles, and other accessories in the field, gives you the complete modularity to kit out a helmet that will protect you across multiple operations.

TESTING & CERTIFICATIONS



NIJ LEVEL IIIA 0106.01 (1981)

Updated in 1981 from the original 1975 release, the NIJ IIIA test has been the most widely used methodology when looking at ballistic performance of military style helmets. This standard, simple in nature, is limited to testing for only PENETRATION of two caliber rounds (9mm & .44Mag). Unlike soft body armor products, which are tested and officially “certified” by the NIJ, there is no official certification for NIJ IIIA helmet, only tests for penetration.



VPAM (VPAM-HVN-2009) CERTIFICATION

VPAM (Vereinigung der Prüfstellen für angriffshemmende Materialien und Konstruktionen) is the Gold Standard of ballistic testing certification within Germany, Austria, and Switzerland. Required by Most Special Anti-Terror, Counter-Terror and High speed Police Units within Europe, including Germany’s GSG9 and SEK, this level of protection uses a more realistic ballistic testing aspect which is specific to close quarter combat threats that Law Enforcement Officers or Anti-Terror Units will be exposed to during operations. These specialized units, in comparison to soldiers, are more exposed to the likelihood of being shot within the head region, whilst working in confined spaces due to the proximity and nature of their work.



DEA-FBI BALLISTIC HELMET TESTING PROTOCOL (2019)

Comprehensive in nature, the FBI & DEA BRF Helmet Testing Protocol, created by a Dept. of Justice collaboration from 2017 to 2019, is the most comprehensive helmet testing protocol in the United States, and first with tangible and definable criteria since the voluntary testing criteria 0106.01 published by the NIJ in December, 1981. Spearheaded by the FBI & DEA at the FBI Ballistic Research Facility in Quantico VA, the United States’ premier ballistic testing facility, the protocol has been issued as the gold standard for the US Department of Justice including FBI, DEA, USMS, and ATF.

Specifically designed to limit Agent susceptibility during a ballistic event, significant attention was focused on limiting energy transfer into the head in addition to standard penetration testing against the 9mm, 124gr reference round fired between 1375-1450 f/s. By limiting back face deformation in the most extreme environmental and technical conditions (mimicking what an agent may encounter in the field), the protocol promotes short term survivability, allowing the Agent the ability to remain engaged ‘in the fight’ should a ballistic/ impact event occur, as well as long term reduction of possible TBI (Traumatic Brain Injury.)

HELMET TESTING STANDARDS SINCE 1981



NIJ-VPAM-DEA/FBI

40 years ago, stopping the fragment/bullet was enough. However, as technology has improved, so has the expectation that helmet systems must work in the most extreme environments and subjected to the harshest conditions. Secondly, reducing Traumatic Brain Injury (TBI) is recognized as a significant goal, as limiting energy transfer into the skull

during a ballistic event offers long term officer safety as well as the ability to stay 'in the fight'. The following chart outlines the main Helmet Testing Protocols over the past 40 years, and their primary focus/testing features.



STANDARD	NIJ (1981)	VPAM3 (2009)	DEA-FBI (2019)
Penetration - 9mm	✓	✓	✓
Penetration - 44mag	✓		
Multi-Shot (Total Rounds)	✓ 20 Shots total (5 rounds per helmet x 4 helmets).	✓ 29 Shots total	✓ 44 Shots total (6 rounds on 4 helmets, 5 rounds on 4 helmets)
Shot Placement	Pre-determined: Front, Back, Side(s) & Crown	✓ Random, unknown shot locations	✓ Pre-determined: 44 unique loctions/ conditioning tests
Backface Deformation (Energy Transfer into the skull)		✓ Measured by utilizing ballistic soap and technical apparatus showing amount of kinetic energy transfer	✓ Measured by using 'Peepsight' clay headmold and FARO 3-D imaging technology to determine backface deformation and energy transfer
Edge Testing	All shots are placed 50mm (2") from edge	✓ Multiple Shots at 20-25mm from edge	✓ Multiple Shots at 25mm from edge at ambient, cold and hot temps
Hardware (Bolts & Connecting Screws)		✓ All bolts shot during testing	✓ Connecting Bolts shot directly as well as 'near-bolt' shots placed adjacent to hardware to ensure no secondary fragmentation internally
Wet Conditioning	✓ 2 of 4 Helmets tested wet		✓ 2 of 8 Helmets submerged in water before tested
Extreme Cold		✓ -20°C	✓ 2 of 8 Helmets cooled to (-40F) before tested
Extreme Hot		✓ +70°C	✓ 2 of 8 Helmets heated to (+140F) before tested
Blunt Impact/Energy Transfer		✓ Measured to less than 25 Joules	✓ Drop test of 25ft/Sec to simulate fall from Helo
Shell Compression			✓ Subjected to 300lbs Shell Compression for shell integrity
Retention & Harness			✓ Dynamic & Static Harness Strength testing
Certification	Official Certification does not exist	✓ Officially Certified	✓ Officially Certified

HELMET PERFORMANCE INDEX – HPI

HPI RATINGS EXPLAINED

Today's Law Enforcement and Rescue Heroes are facing complex hazard scenarios, due to ever changing tasks and a variety of overlapping duties. As a Manufacturer for personal protective equipment, we understand the demanding expectations customers have towards their protective gear in order to do their day-to-day job. With almost 40 years of experience in providing protective head gear for Police and Military as well Fire and Rescue Services, Busch PROtective has tracked and analyzed hazard scenarios to develop a comprehensive scoring system to map helmet performance levels. Divided into 8 categories the Busch PROtective Helmet Performance Index (HPI) gives professionals a tool to choose the best and most fitting PPE for their individual operations. Each category is further divided into levels from 0-4, with 4 being the highest score in the specific category.



BALLISTIC RESISTANCE

Scores the helmet's ability to stop ballistic projectiles of various kinds. Multi hit capability, ability to stop projectiles extremely close to the helmet edge and maximizing ballistic surface area are key factors in this category.

BALLISTIC BACK FACE DEFORMATION

Measures the kinetic energy transferred to the user's head - Arguably the most important category for ballistic helmets used in a Law Enforcement beyond penetration.

FRAGMENT RESISTANCE

Gives an indication of the helmet's ability to stop small, high-velocity fragments generated by explosives.

IMPACT ABSORPTION

Shows the helmets capability to absorb blunt impact to the wearer's head. The absorption of energy is one of the most basic requirements a helmet should fulfill, but is heavily overlooked in today's public safety environment.

PENETRATION RESISTANCE

This category highlights the helmet's ability to resist sharp and/or pointed objects by that could cause severe punctures.

FIRE AND CHEMICAL RESISTANCE

A category to show how resilient a helmet is against fire and chemical hazards.

MECHANICAL RESISTANCE

Taking into account a large variety of mechanical hazards like side compression, harness strength and stability as well as abrasive testing of the helmets shell, this category gives a good overview of the helmet's ability to resist heavy-duty stresses and environmental conditions.

WEIGHT

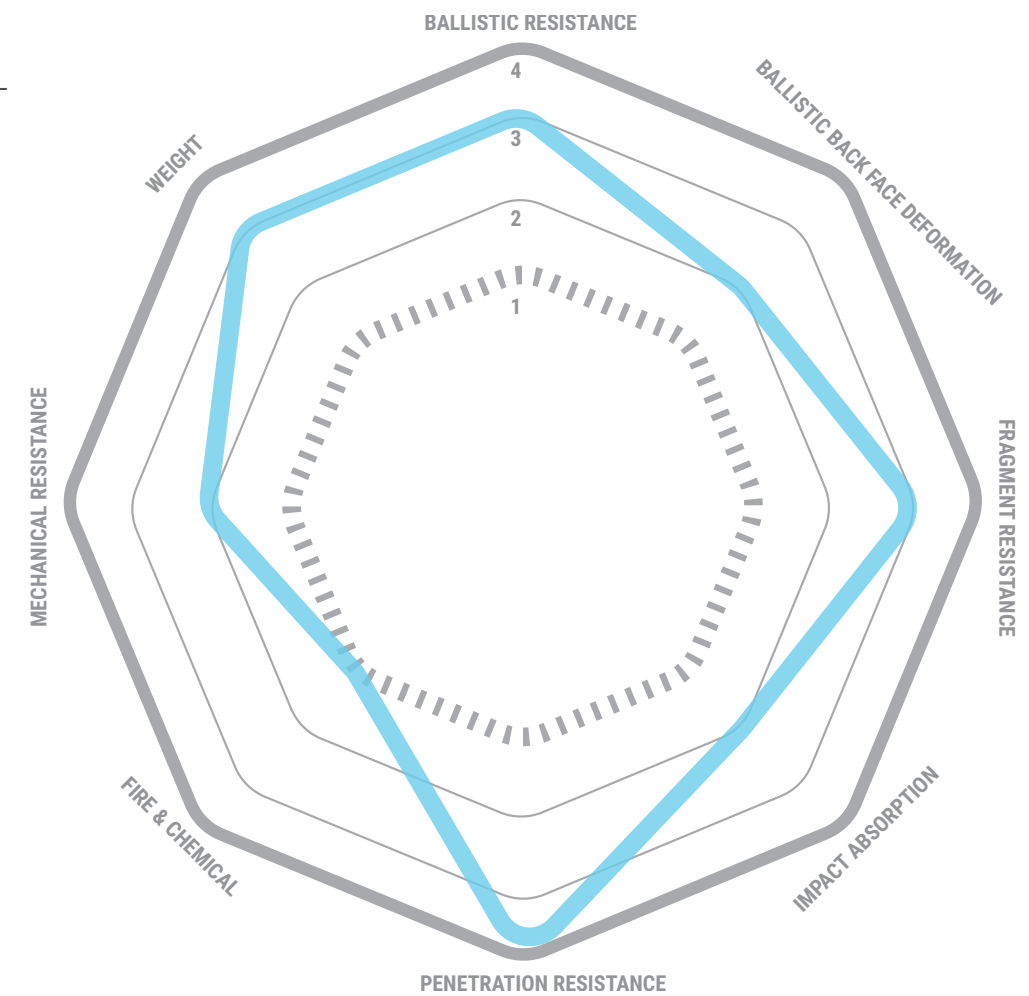
A distinctive category to map the overall helmet weight which effects long-term wearer health as well as on-duty ergonomic fatigue; thus the ability to stay focused and capable during the full duration of the operation.

These 8 categories offer a visual map of the helmet performance characteristics and gives end-users and purchasers the ability to find the best fitting protective system for their mission. Easy to read radar charts provide a fast and simple way to compare various helmet systems with each other. (Bullet Point) Spikier charts indicate specialized

helmet systems, while more rounded charts indicate a more balanced system.(Bullet Point) Overall surface-area covered by the radar map gives an indication of the overall performance of the product with a larger chart surface typically identifying products with a higher overall performance.

HPI INDICATORS

- 4. OUTSTANDING
- 3. EXCELLENT
- 2. GOOD
- 1. MINIMAL



PATROL & TACTICAL



AMP-1 TP

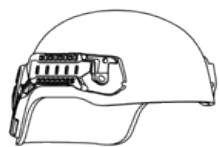
NIJ IIIA+, DEA-FBI PROTOCOL, VPAM3 BALLISTIC HELMET

Our most robust aramid ballistic helmet, tested to the DEA-FBI Ballistic Helmet Protocol as well as the VPAM3 standard. Available configured in high, mid or fullcut, the AMP-1TP offers world-class ballistic protection against both IIIA (9mm & .44mag), STANAG 2920 fragmentation, as well as numerous special threats including 7.62 Tokarev, 9mm SXT, QDPEP, & evolving threats.

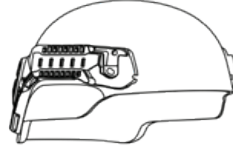


HELMET CUTS

HIGH CUT WITH RAILS



MID CUT WITH RAILS



FULL CUT WITH RAILS



Available with or without rails and NVG Shroud



COLORS

Black Green Gray Navy



SPECIFICATIONS:

BALLISTIC CONSTRUCTION: Woven Aramid Fiber with EBSP-Technology

STYLE: ACH/ECH

COATING: 2K Scratch-Resistant Paint

STYLE: High, Mid and Full Cuts

EDGE PROTECTION: EPDM Rubber edging

SHOCK ABSORPTION: EPP-1/CPP-1 Impact System

HARNES: CRS-2 Adjustable wheeldial with multi-size, quick-detach chinstrap system, CAM buckles, tailored to right or left-handed shooters

SIZE: Unisex 52-62 cm / 6 1/2 to 8

INTERFACES: CMR-1 Modular Rails with Speed Disconnect Visor/Accessory System, 3-Hole NVG Shroud capable

CERTIFICATIONS: NIJ, VPAM, DEA-FBI DOJ



AMP-1 TP

NIJ IIIA+, DEA-FBI PROTOCOL,
VPAM3 BALLISTIC HELMET

CMR-1

MULTI-FUNCTIONAL VISOR MOUNT & PICATINNY RAIL
ALLOWING MODULAR ACCESSORIES INCLUDING, VISORS,
LIGHTS, EAR PROTECTION, ETC

COM-1

ADAPTERS DESIGNED TO ENABLE MOST
INDUSTRY LEADING EAR PROTECTION BRANDS/
MODELS TO SEAMLESSLY INTEGRATE INTO THE
BUSCH RAIL SYSTEM INCLUDING PELTOR®, TCI
LIBERATOR®, INVISIO®, OTTO®, ETC

CAP-2

FUNCTIONAL LOOP VELCRO® FOR ACCESSORIZING HELMET
COVERS, STROBES, & ID EMBLEMS

NVG-1

MULTIPLE SHROUD OPTIONS
INCLUDING WILCOX® AND
ARMORAUSTRALIA®

SCS-1

SPEED-CONNECT-SYSTEM (SCS) ALLOWING
RAPID, EASY-ATTACH VISOR OPTIONS

CRS-2

MULTI-POINT ADJUSTMENTS,
LOCKING HELMET SECURELY
TO OPERATOR

EPP/CP

ENERGY ABSORBING & COMFORT PADDING
SYSTEMS DESIGNED TO KEEP THE OPERATOR
SAFE AND COMFORTABLE

CRS-2

PROPRIETARY WHEEL-DIAL TIGHTENING
SYSTEM, ADJUSTING FROM XS-XL WITH
ONE HAND, QUICKLY AND SECURELY



	WEIGHT IN LBS & GRAMS					
	MEDIUM		LARGE		UNISIZE	
	LBS	GRAMS	LBS	GRAMS	LBS	GRAMS
SHELL ONLY HIGH CUT	2.61	1184	2.77	1260	3.48	1580
SHELL ONLY MID CUT	2.7	1227	2.87	1306	3.5	1590
SHELL ONLY FULL CUT	2.85	1297	3.04	1380	3.63	1650
COMPLETE HIGH CUT*	3.31	1504	3.48	1580	5.21	2365
COMPLETE MID CUT*	3.4	1548	3.57	1626	5.24	2375
COMPLETE FULL CUT*	3.55	1617	3.72	1700	5.37	2435

*Complete With Rails, Inside Equipment, Harness, Pads & Hardware
(Medium & Large weight projected)



AMP-1E

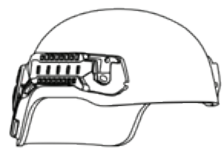
NIJ IIIA+ BALLISTIC HELMET

Lightweight aramid ballistic helmet, that is ideal for any public safety operation, whether Patrol, SWAT or Fire/Rescue. Available configured in high, mid or fullcut, the AMP-1E offers excellent ballistic protection against both IIIA (9mm & .44mag) as well as STANAG 2920 fragmentation threats.

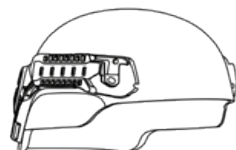


HELMET CUTS

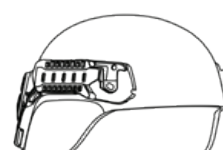
HIGH CUT WITH RAILS



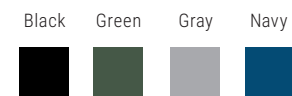
MID CUT WITH RAILS



FULL CUT WITH RAILS



COLORS



Available with or without rails and NVG Shroud

SPECIFICATIONS:

BALLISTIC CONSTRUCTION: Woven Aramid Fiber

STYLE: ACH/ECH

COATING: 2K Scratch-Resistant Paint

STYLE: High, Mid and Full Cuts

EDGE PROTECTION: EPDM Rubber edging

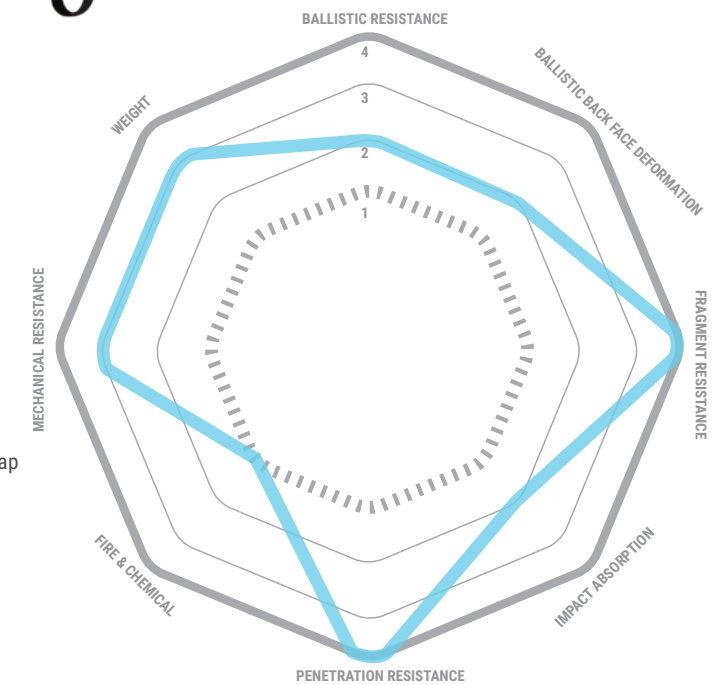
SHOCK ABSORPTION: EPP-1/ CPP-1 Impact System

HARNES: CRS-2 Adjustable wheeldial with multi-size, quick-detach chinstrap system, CAM buckles, tailored to right or left-handed shooters

SIZE: Unisex 52-63 cm / 6 1/2 to 8

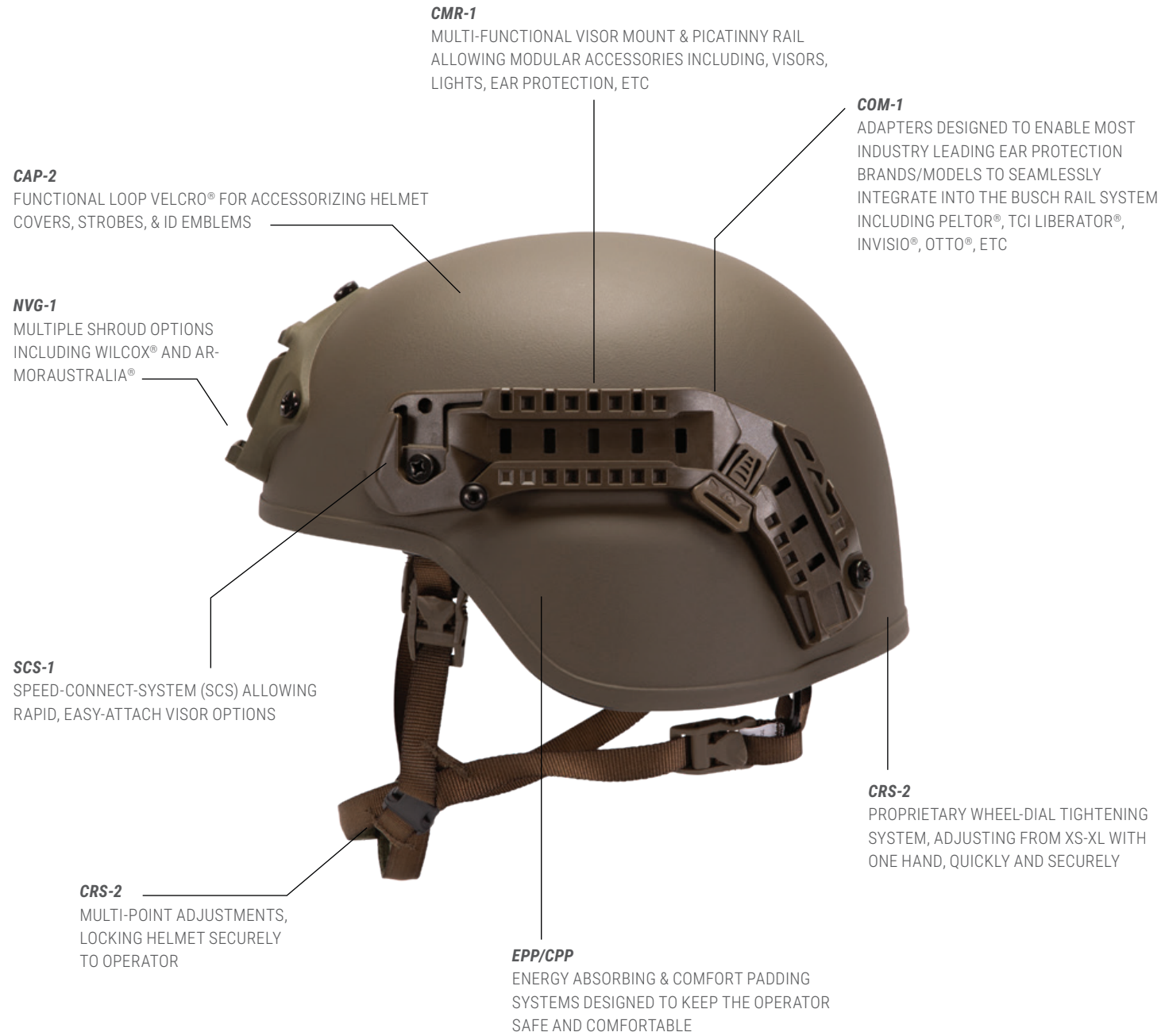
INTERFACES: CMR-1 Modular Rails with Speed Disconnect Visor/Accessory System, 3-Hole NVG Shroud capable

CERTIFICATIONS: NIJ IIIA V50 = 650m/sec w/ 17gr fragment



AMP-1E

NIJ IIIA+ BALLISTIC HELMET



	WEIGHT IN LBS & GRAMS					
	MEDIUM		LARGE		UNISIZE	
	LBS	GRAMS	LBS	GRAMS	LBS	GRAMS
SHELL ONLY HIGH CUT	2.13	970	2.26	1034	2.89	1310
SHELL ONLY MID CUT	2.35	1070	2.51	1140	3.15	1430
SHELL ONLY FULL CUT	2.41	1095	2.56	1165	3.19	1450
COMPLETE HIGH CUT*	2.71	1230	2.85	1294	4.62	2095
COMPLETE MID CUT*	2.93	1330	3.09	1400	4.88	2215
COMPLETE FULL CUT*	2.99	1355	3.14	1425	4.93	2235

*Complete With Rails, Inside Equipment, Harness, Pads & Hardware
(Medium weight projected)

CROWD & RIOT CONTROL



ARC-2E

RIOT (IMPACT & BALLISTIC) HELMET

In addition to riot & impact protection, the ARC-2E has been tested against small caliber handgun rounds such as .22, .9mm, .40, and .45ACP and offers the user comfort in virtually any fluid environment where they may face additional ballistic threats. Coupled with a small, modular rail to mount lights, cameras or strobes, the ARC-2E is the premier lightweight dual-use riot helmet globally.



SPECIFICATIONS:

BALLISTIC CONSTRUCTION: Fiber Reinforced Duroplast with Aramid

STYLE: Full-cut Anti Riot Shape

COATING: 2K Scratch-Resistant Paint

EDGE PROTECTION: EPDM Rubber edging

SHOCK ABSORPTION: EPP-1/ CPP-1 Impact System

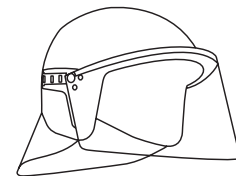
HARNES: CRS-2 Adjustable wheeldial with multi-size, quick-detach chinstrap system, CAM buckles, tailored to right or left-handed shooters

SIZE: Unisize (S-XL) 52-62cm/6.5-8.0)

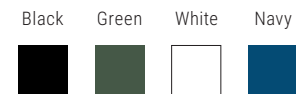
INTERFACES: CMR-1 Modular Rails with Speed Disconnect Visor/Accessory System

CERTIFICATIONS: NIJ, 9mm

HELMET CUTS



COLORS



PADDED RIOT HELMET BAG

WEIGHT IN LBS & GRAMS					
MEDIUM		LARGE		UNISIZE	
LBS	GRAMS	LBS	GRAMS	LBS	GRAMS
3.69	1678	3.93	1786	4.3	1950

(Medium & Large weight projected)



AMR-1E+

RIOT (IMPACT & PENETRATION PROTECTION) HELMET

A high-end helmet with remarkable blunt impact and penetration protection. Modular and safe. Protects the head in a dynamic environment, from riot & crowd protection to corrections and cell extraction.



SPECIFICATIONS:

CONSTRUCTION: Fiber reinforced duroplast with aramid

STYLE: Riot cut

COATING: 2K Scratch-Resistant Paint

EDGE PROTECTION: EPDM Rubber edging

SHOCK ABSORPTION: CPP-1 R Pad System (EPP- & Soft pads) FR optional

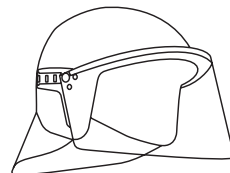
HARNES: "CRS-2 harness system; variants available FR optional"

SIZE: Unisize (S-XL) 52-62 cm/6.5-8.0 in

INTERFACES: CRR-1 rail system, with integrated mandible and mask interface

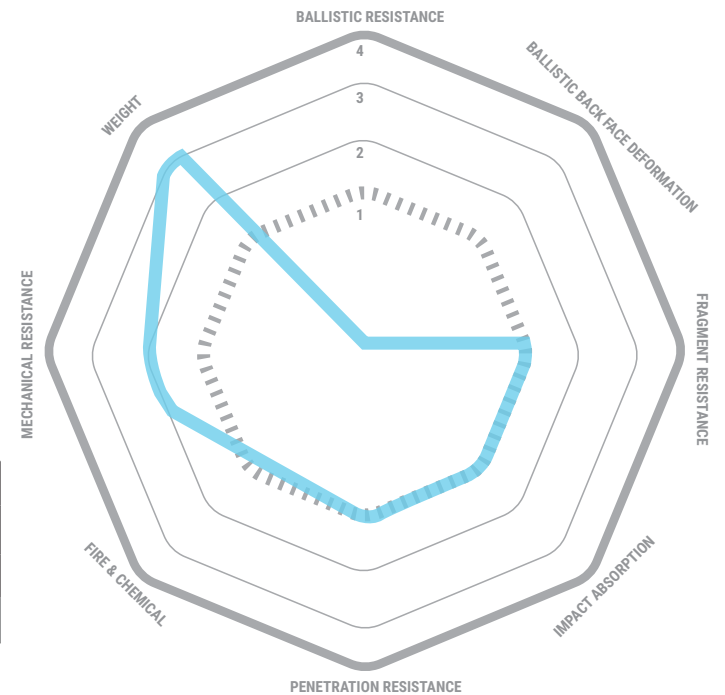
CERTIFICATIONS: blunt impact resistance according to EN 397, 5.1.1 resistance to penetration according to EN 397, 5.1.2 flame resistance according to EN 397, 5.1.3 blunt impact resistance and resistance to penetration have been performed at -10°C (6.2.3), water immersion +20°C (6.2.5) and +50°C (6.2.4) Penetration per CSN_395360_TON3_TON1

HELMET CUTS



COLORS

Black Green White Navy



WEIGHT IN LBS & GRAMS					
MEDIUM		LARGE		UNISIZE	
LBS	GRAMS	LBS	GRAMS	LBS	GRAMS
2.88	1310	3.06	1395	3.5	1595

(Medium & Large weight projected)

AMR-1E

RIOT (IMPACT) HELMET

An impact helmet that offers outstanding blunt trauma resistance, in a modular, lightweight configuration. Capable of protecting the user in a multitude of dynamic environments, from riot & crowd control to corrections & cell extraction.



SPECIFICATIONS:

CONSTRUCTION: Fiber reinforced duroplast

STYLE: Full-cut Anti Riot Shape

COATING: 2K Scratch-Resistant Paint

EDGE PROTECTION: EPDM Rubber edging

SHOCK ABSORPTION: EPP-1/ CPP-1 Impact System

HARNES: CRS-2 Adjustable wheeldial with multi-size, quick-detach chinstrap system,

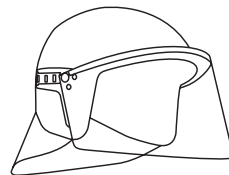
CAM buckles, tailored to right or left-handed shooters

SIZE: Unisize (S-XL) 52-62cm/6.5-8.0)

INTERFACES: CMR-1 Modular Rails with Speed Connect Visor/Accessory System

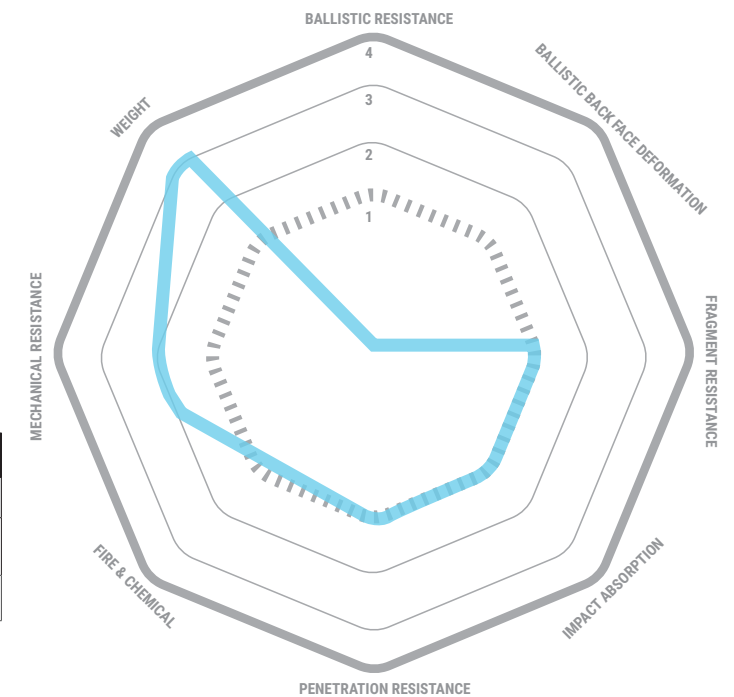
CERTIFICATIONS: EN397

HELMET CUTS



COLORS

Black Green White Navy



WEIGHT IN LBS & GRAMS					
MEDIUM		LARGE		UNISIZE	
LBS	GRAMS	LBS	GRAMS	LBS	GRAMS
2.62	1190	2.79	1269	3.2	1450

(Medium & Large weight projected)

TRAINING / SEARCH AND RESCUE



AMH-2

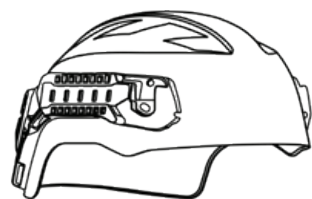
IMPACT/RESCUE HELMET

Providing excellent impact protection, the AMH-2 is a lightweight, yet extremely durable helmet ideally suited to urban & field rescue operations, training scenarios where ballistic weight is not ideal, and dynamic movements in aerial and vehicular situations.



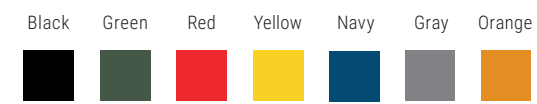
HELMET CUTS

HIGH CUT WITH RAILS



Available with or without rails and NVG Shroud

COLORS



SPECIFICATIONS:

CONSTRUCTION: Fiberglass reinforced thermoplast SMC

STYLE: ACH/ECH

COATING: 2K Scratch-Resistant Paint

STYLE: High-Cut

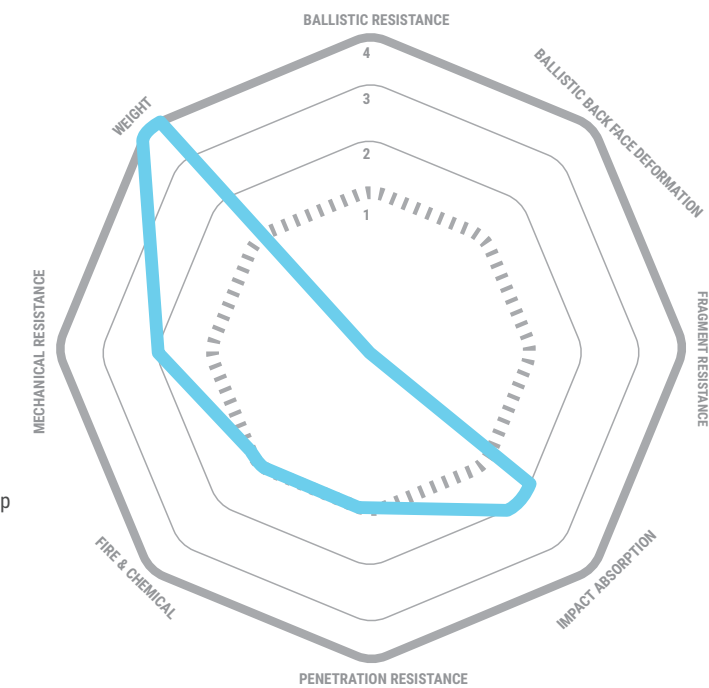
EDGE PROTECTION: EPDM Rubber edging

SHOCK ABSORPTION: EPP-1/ CPP-1 Impact System

HARNES: CRS-2 Adjustable wheeldial with multi-size, quick-detach chinstrap system, CAM buckles, tailored to right or left-handed shooters

SIZE: Unisex 52-63 cm / 6 1/2 to 8

INTERFACES: CMR-1 Modular Rails with Speed Disconnect Visor/Accessory System, 3-Hole NVG Shroud capable



AMH-2

IMPACT/RESCUE HELMET



		WEIGHT IN LBS & GRAMS					
		MEDIUM		LARGE		UNISIZE	
		LBS	GRAMS	LBS	GRAMS	LBS	GRAMS
SHELL HIGH CUT		1.01	460	1.08	493	1.39	630
COMPLETE HIGH CUT*		1.58	720	1.65	750	3.12	1450

*Complete With Rails, Inside Equipment, Harness, Pads & Hardware
(Medium & Large weight projected)

ATR-1E

IMPACT/RESCUE HELMET

VERSION FOR THE US MARKET

Multipurpose technical rescue, urban search & rescue helmet for wildland firefighting, high angle & water rescue. One helmet platform for a wide range of use. Its modularity and task specific adaptability make this helmet a top choice for fire and emergency services – no matter what scenario they are confronted with.

CAP-2

FUNCTIONAL LOOP VELCRO® FOR ACCESSORIZING HELMET COVERS, STROBES, & ID EMBLEMS

NVG-1

INTEGRATED LIGHTWEIGHT ACCESSORY SHROUD, CAPABLE OF SUPPORTING CAMERAS, LIGHTS, & STROBES

SCS-1

SPEED-CONNECT-SYSTEM (SCS) ALLOWING RAPID, EASY-ATTACH VISOR OPTIONS

CRS-2

MULTI-POINT ADJUSTMENTS, LOCKING HELMET SECURELY TO OPERATOR WITH FAST RELEASE BUCKLE

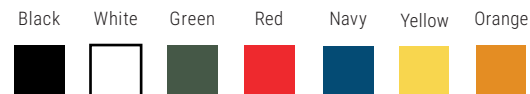
CPP-1

OUR CPP-1 PADDING ENSURES A HIGH WEARING COMFORT EVEN DURING LONG MISSIONS. A LOW OVERALL WEIGHT (MAX. 750 G) OF THE HELMET SUPPORTS THIS

CMR-1 SHORT CUT RAIL

MULTI-FUNCTIONAL VISOR MOUNT ALLOWING MODULAR ACCESSORIES INCLUDING, VISORS & GOGGLE SYSTEMS

COLORS



Optional ESS Goggle Mounts with quick release system.



Fullcut 3mm Light Impact Visor with Liquid Barrier



Visor SCS System allowing for quick donning of visors & accessories.



Shortcut 3mm Light Impact Visor with Liquid Barrier

SPECIFICATIONS:

- CONSTRUCTION:** SMC -fibre reinforced duroplast
- STYLE:** High-cut
- COATING:** 2K - paint / colored thru
- EDGE PROTECTION:** red, white, zinc yellow, luminous orange, blue, black, luminous yellow, pure orange
- SHOCK ABSORPTION:** CPP-1 E+ pad system with increased bulk density in crown pads
- HARNES:** CRS-2 harness system
- SIZE:** H1 = 48 to 56cm (18.9-22 in.), H2 = 52 to 62cm (20.5 -24.4in.), H3 = 60 to 66cm (23.6-26in.)
- INTERFACES:** Standard configuration is Size H2
- CERTIFICATION:** Multiple Certifications Pending

ATR-1TP

IMPACT/RESCUE HELMET

VERSION FOR THE EUROPEAN MARKET

PROTECTION

THE THERMOSET HELMET SHELL MATERIAL PROVIDES MUCH HIGHER PROTECTION AGAINST PENETRATION THAN HELMETS MADE OF THERMO-PLASTIC HELMET SHELL MATERIAL

UNPARALLELED FIT

THE USE OF THREE (3) HELMET SHELL SIZES CAN ENSURE AN OPTIMAL SIZE FIT FROM SIZE 48 TO 66. FAR BETTER THAN A ONE-SIZE FITS ALL HELMET

CMR-1

BY USING THE RAIL (CMR-1) AND THE INTEGRATED NVG MOUNT (NVG-1), A WIDE RANGE OF ACCESSORIES CAN BE ATTACHED TO THE HELMET. THIS ALLOWS THE HELMET TO BE ADAPTED TO A RANGE OF OPERATIONAL SCENARIOS

NVG-1

INTEGRATED LIGHTWEIGHT ACCESSORY SHROUD, CAPABLE OF SUPPORTING CAMERAS, LIGHTS, & STROBES

SCS-1

SPEED-CONNECT-SYSTEM (SCS) ALLOWING RAPID, EASY-ATTACH VISOR OPTIONS

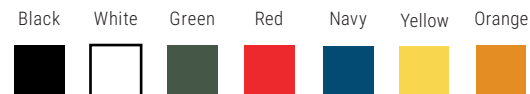
CRS-2

MULTI-POINT ADJUSTMENTS, LOCKING HELMET SECURELY TO OPERATOR

CPP-1

OUR CPP-1 PADDING ENSURES A HIGH WEARING COMFORT EVEN DURING LONG MISSIONS. A LOW OVERALL WEIGHT (MAX. 750 G) OF THE HELMET SUPPORTS THIS

COLORS



3M™ Reflective Stickers optional add-ons



SHELL SIZE	WEIGHT IN LBS & GRAMS	
H1	1.433lbs	650g
H2	1.587lbs	720g
H3	1.837lbs	850g

*including harness, suspension, rail system and reflective stickers



CGC-1 Protective Cover for Safety Goggles



TAG-1 Accessory Bag for ATR-1

VISORS & ACCESSORIES



VISORS & ACCESSORIES

IMPACT TO BALLISTIC

Constructed of an ultra-high quality silica/polycarbonate proprietary mixture, our visors offer protection levels from lightweight impact, Fragmentation, 9mm & .44mag IIIA, and VPAM 3. Coupled with our Speed Connect System (SCS), which allows the user of a Busch Helmet to instantly connect a visor, in the field, without any tools or having to remove the helmet in the moment.

VISOR TYPES

SHORT CUT

STANDARD CUT

MANDIBLE CUT

MED X CUT

WAVE CUT

WAVE CUT PP



GALLERY



Impact CAV-1PC

Impact ATR-1E SC with Liquid Barrier





VISOR SPECIFICATIONS

VISOR MODEL	SHAPE CUT	TEST TYPE	PROJECTILE DETAILS/VELOCITIES	THICKNESS IN MM	LENGTH MM	LENGTH INCHES	WEIGHT GRAMS	WEIGHT POUNDS	
CAV-PC									
CAV-1E	Standard	Blunt Impact	Drop Tested to 100 Joules, EN397 Blunt Impact	3	165	6.2	275	.612	
CAV-1PC	Standard	Blunt Impact	ANSI/ISEA Z87.1-2015 except 5.1.4, Drop tested to 100 joules, EN397	6	165	6.2	460	1.00	
	Short	Blunt Impact	ANSI/ISEA Z87.1-2015 except 5.1.4, Drop tested to 100 joules, EN397	6	90	3.5	310	0.70	
Liquid seal rubber barrier can be added to CAV-1E, CAV-1PC & BAV-1FS family only								20	
BAV-FS									
BAV-1FS	Standard	Fragmentation	STANAG 2920 17grain, V50: 300m (985 ft)/sec	7	165	6.2	510	1.10	
	Medium	Fragmentation	STANAG 2920 17grain, V50: 300m (985 ft)/sec	7	110	4.3	480	1.00	
	Short	Fragmentation	STANAG 2920 17grain, V50: 300m (985 ft)/sec	7	90	3.5	366	0.80	
	Wave	Fragmentation	STANAG 2920 17grain, V50: 300m (985 ft)/sec	7	150/130	5.9/5.1	490	1.08	
	Mandible Cut	Fragmentation	STANAG 2920 17grain, V50: 300m (985 ft)/sec	7	120/85	4.7/3.35	490	1.08	
Liquid seal rubber barrier can be added to CAV-1PC and BAV-1FS family only								20	
BAV-1E									
BAV-1E	Medium X Cut	9mm	NIJ 9mm 124gr (9x19 DM41) V50: 415m (1362 ft)/sec	17	130	5	850	1.87	
	Mandible Cut	9mm	NIJ 9mm 124gr (9x19 DM41) V50: 415m (1362 ft)/sec	17	130	5	850	1.87	
BAV-CN									
BAV-1CN	Standard	9mm & .44 Mag (NIJ IIIA)	NIJ 3A 9mm/44Mag & STANAG 2920 17gr, V50 300m (985ft)/sec	22	165	6.2	1450	3.20	
	Short	9mm & .44 Mag (NIJ IIIA)	NIJ 3A 9mm/44Mag & STANAG 2920 17gr, V50 300m (985ft)/sec	22	90	3.5	860	1.80	
	Wave	9mm & .44 Mag (NIJ IIIA)	NIJ 3A 9mm/44Mag & STANAG 2920 17gr, V50 300m (985ft)/sec	22	150/135	5.9/5.1	1290	2.70	
	Mandible Cut	9mm & .44 Mag (NIJ IIIA)	NIJ 3A 9mm/44Mag & STANAG 2920 17gr, V50 300m (985ft)/sec	22	120/85	4.7/3.35	1200	2.65	
BAV-TP									
BAV-1TP	Standard	VPAM 3 / TR.1	VPAM/TR-3.1/Tokarev/STANAG 2920 17gr, V50 720m (2365ft)/sec	20	165	6.2	1370	3.00	
	Short	VPAM 3 / TR.2	VPAM/TR-3.1/Tokarev/STANAG 2920 17gr, V50 720m (2365ft)/sec	20	90	3.5	840	1.80	
	Wave	VPAM 3 / TR.3	VPAM/TR-3.1/Tokarev/STANAG 2920 17gr, V50 720m (2365ft)/sec	20	150/130	5.9/5.1	1236	2.70	
	PP Cut	VPAM 3 / TR.4	VPAM/TR-3.1/Tokarev/STANAG 2920 17gr, V50 720m (2365ft)/sec	20	135/100	5.5/3.9	955	2.1	
Covers									
TVC-2	Standard	Neoprene	Protects Busch Visors against scratches & dings while not in use	4	180	6.75	130.00	0.30	
TVC-2	Short	Neoprene	Protects Busch Visors against scratches & dings while not in use	4	100	3.8	100.00	0.22	



Fullcut



Mandible Cut



Wavecut



Wave PP cut

BAM-1

BALLISTIC MANDIBLE



SPECIFICATIONS:

MATERIAL: Aramid Fiber

COATING: Textile Finish

EDGE PROTECTION: EPDM Rubber edging

CONNECTION SYSTEM: Metal hooks and clip to CMR-1 Side Rails

WEIGHT: 280 g - 0.62lbs

COLORS

Black Green Multicam®



Works with fullcut, midcut and highcut Busch Helmets

STANDARDS / CERTIFICATION:

The following Standards can only be fulfilled in conjunction with all AMP-1 E or TP helmets.

Penetration resistancy against 9mm DM41 with 415 ±10 m/s - 1362 ±33 fps & STANAG 2920 17 grain Frag, V50: 300M (985 ft)/sec'

SPECIAL PROPERTIES / ACCESSORIES:

Installation within seconds on all AMP-1 TP and AMP-1 E also fits in conjunction with SCS Visors and BAN-1 Neckguard.

Can be tilted up when used with drinking bottle.

Textile Coating for more protection when used with rifles.

BAP-1 AK

RETROFITTABLE FRONT PLATE



SPECIFICATIONS:

MATERIAL: UHMW-PE

COATING: Extremely durable PU coating

CONNECTION SYSTEM: Velcro hook and loop connection

WEIGHT: 525 g - 1.16 lbs

SURFACE AREA: 446 cm² - 0.48 sqf

STANDARDS / CERTIFICATION:

VPAM- HVN 2009, level 6* Energy Transfer < 45 Joule

COLORS

Black Green



CAC-1 HELMET COVER



SPECIFICATIONS:

MATERIAL: Polyamid, Mesh, velcro

STYLE: Closed, with NVG outcut

CONNECTING SYSTEM: With velcro attachment to the helmet surface (CAP-1 or CAP-2), With velcro for own badges or unit flags

COLORS

Black Green Multicam®

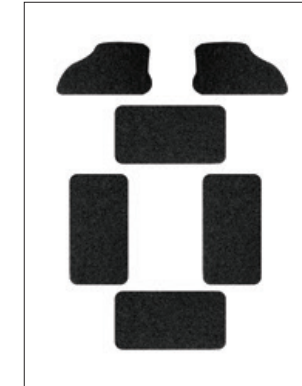


CAP-1 VELCRO® KIT



SPECIFICATIONS:

MATERIAL: Velcro



COLORS

Black Green



CAC-2 HELMET COVER



SPECIFICATIONS:

MATERIAL: Polyamid, Mesh, velcro

STYLE: Can be used with or without NVG

CONNECTING SYSTEM: With velcro attachment to the helmet surface (CAP-1 or CAP-2), With velcro for own badges or unit flags



COLORS

Black Green Multicam®



CAP-2 VELCRO® KIT



SPECIFICATIONS:

MATERIAL: Velcro



COLORS

Black Green



CRS-2 HARNESS



SPECIFICATIONS:

MATERIAL: Polyamid, Aluminium, Leather, Nomex (on demand)

SIZES: M/L, L/XL

STYLE: Closed

FASTENING: Plastic Buckle

CERTIFICATIONS: EN 397, 5.1.4 "emergency opening" (not as standard)

Also available for left-handed shooters

COLORS

Black Green



CRS-2 SV HARNESS



SPECIFICATIONS:

MATERIAL: Polyamid, Aluminium, Leather Nomex (on demand)

SIZES: unisize

STYLE: Open-Loop

FASTENING: Plastic Buckle

CERTIFICATIONS: EN 397, 5.1.4 "emergency opening" (not as standard)

CHE-1 EXTENDER



4" Chin Strap Extender for Gas Mask Use

COLORS

Black Green



CPP-1 PAD SYSTEM



SPECIFICATIONS:

MATERIAL: EPP, Foam, viscoelastic Foam, Synthetic Leather

CONNECTING SYSTEM: With velcro attachment to the helmet surface

Standard default comfort pad system used in all helmets, providing long lasting use & ease of maintenance

COLORS

Gray



CPP-2 PAD SYSTEM



SPECIFICATIONS:

MATERIAL: EPP, Foam, porous Foam, mesh fabric

CONNECTING SYSTEM: With velcro attachment to the helmet surface

Optional upgraded multi-layer padding system, designed to provide maximum stability and long lasting comfort, especially when using NODs and heavier helmet accessories.

Available in Thin, Standard & Fat (2mm, 4mm, 6mm)

COLORS

Black / Blue Combo



CAW-1 / CAW-2 COUNTERWEIGHT & BATTERY PACK



CAW-1 (shown)



CAW-2 (shown) works with CAC-2 Helmet Cover.
Attached and removed via Velcro & Bungees.

SPECIFICATIONS:

MATERIAL: Polyamid, Velcro

Variants: 5x90gr / 7x50gr

CONNECTING SYSTEM: Velcro to helmet cover, belt to rail

TO USE WITH: CAC-1, CAC-2

COLORS

Black Green Multicam®



COM-1

COMMUNICATION ADAPTERS

Adapters designed to enable most industry leading Ear Protection brands/models to seamlessly integrate into the Busch rail system including Peltor®, TCI Liberator®, Invisio®, Otto®, etc.



Picatinny Rail Adapters (Set of 2), allow for accessories to be mounted on CRM-1 Rails.

Easy EarPro mounting



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Global Manufacturing & Supply Chain

With decades of expertise in ballistic helmet protection systems, the Busch PROtective Group utilizes a global footprint to ensure the most cutting-edge production process are put to work for you.

Experience has taught us to align our design, production, and quality control facilities with strategic supply-chain partners to ensure consistent production, timely deliveries, and top-of-the-line, innovative, purpose built solutions.

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It is the responsibility of the customer to thoroughly analyze all aspects of the customers' proposed application for the products. Due to the diversity of possible applications of Busch PROtective's products, the customer is solely responsible for making the final selection of the product(s) to be used and to assure that all performance, safety and warning requirements of the application are satisfied.



PROTECT WHAT MATTERS

