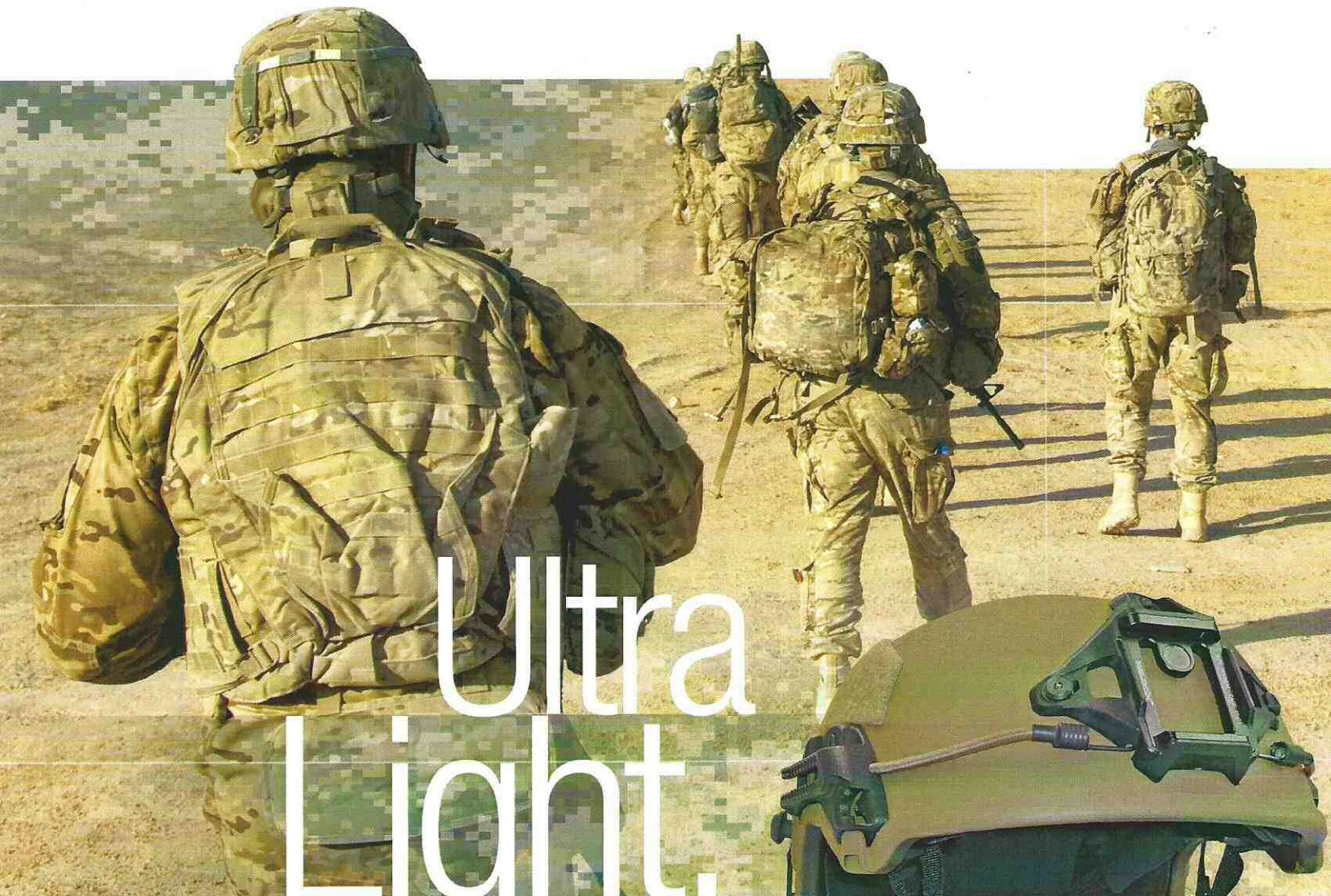


3M™ Defender™ Ultra Light Weight
Ballistic Bump Helmet (ULW-BBH)



Ultra
Light.
Versatile.



**The first multi-use helmet
for bump and ballistic
operational requirements.**

Engineered to provide outstanding
head protection – while reducing
weight for improved mobility.



Lightweight, multi-use head protection

The new 3M™ Defender™ Ultra Light Weight Ballistic Bump Helmet (ULW-BBH) is manufactured by Ceradyne Inc., a 3M company, using advanced materials and providing multi-use ballistic protection at 30% less weight than the closest alternative.

- Flexible rail system that offers compatibility with all standard accessories. Rail is mounted on shell without use of through bolts.
- Areal weight of 1 lb per square foot (5 kg/m²)
- Blunt Trauma Impact performance meets ACH specification requirements
- Compatible with most industry standard 1 and 3 hole NVG mounts
- Defeats multiple 9mm FMJ (full metal jacket) at 1400fps
- Provides fragmentation protection with V-50 for 17 grain FSP at 650m/s.
- Excellent stability
- Boltless retention system
- No components susceptible to corrosion

Standards

- Meets a minimum of 650 m/s V-50 for 22 cal, 17 grain (1.1 gram) FSP when tested according to STANAG 2920
- Defeats 9mm FMJ when tested according to industry standards

Construction

The helmet shell is manufactured in the United States using ultra-high molecular weight polyethylene (UHMWPE) composites with Ceradyne's proprietary Seamless Ballistic molding technology. While built with similar sizing dimensions to the U.S. Military ACH helmet, the ULW-BBH has a higher cut, allowing for desired benefits and accessories as used by U.S. and Alliance Special Forces. Modular mounting platforms can be attached without requiring holes in the shell, enabling the use of standard picatinny shelf rails that accept most operational accessories. The helmet is compatible with Communications systems such as the 3M™ Peltor™ COMTAC™ III, via rail adaptors that allow it to mount directly to the rails.

The entire retention system is attached to the ballistic shell using a boltless design – minimizing overall system weight and eliminating the possibility of bolts becoming secondary projectiles. Two retention system options are available, both of which offer tremendous stability to the helmet:

- Team Wendy Cam-Fit™
- Team Wendy H-Nape

The ULW-BBH is compatible with most commercial suspension systems, including the Team Wendy Zorbium® Action Pad (ZAP™), which is authorized for all U.S. Ground Force combat helmets.



Field Applications

Jump – head protection when parachuting for military paratroopers

Bump – head protection from bumping objects for military ground forces

Ballistic – head protection against handgun rounds and ballistic fragments

Physical Properties

(Not for specification purposes)

Size	M – XL
Finished Shell Weight, Size L	<600g (with edge trim and paint)
Colors	Black, OD Green, Coyote Tan (custom camo finishes can also be available)
Additional Options	Hook and loop applique, Picatinny rail adaptors

Manufactured by Ceradyne Inc., a 3M company.

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