



Advanced Combat Helmet (ACH) - TC 2000 Series

MSA's ACH has been credited with "taking a bullet" and saving several soldiers' lives during combat.



The **MSA Advanced Combat Helmet (ACH)** delivers advanced ballistic, fragmentation, and impact head protection, with unsurpassed comfort for long-term use.

The helmet's low-profile design reduces the risk of interference in target acquisition and ensures compatibility with NVGs (night-vision goggles), MSA's CBRN (Chemical, Biological, Radiological and Nuclear) Gas Masks, and MSA's communication devices.

An innovative suspension system of movable comfort pads provides customized sizing and superior comfort. The sized pads conform to the shape of your head to distribute the helmet's weight evenly and comfortably. Simply adjust and move the absorbent pads for a flexible, personalized fit.

Tested Under Fire

The MSA ACH was developed for the U.S. Military Special Operations Command, meeting stringent requirements and unprecedented demands, and setting new performance standards. Named a Best Invention by U.S. Army Materiel Command, the U.S. Army was so impressed that MSA's ACH was adopted as the standard of issue for all troops deploying to the Iraq/Afghanistan Operations Theatre.

Specifications: ACH - TC 2000 Series

Components

- Ballistic-resistant Kevlar® shell
- Four-point adjustable chinstrap retention system
- Seven-pad adjustable suspension system.
- Instruction manual

Ballistic Resistance

9mm, 124 grain, FMJ @ 1450 fps,
backface < 12 mm

Fragmentation Resistance

- 2 grain RCC @ 4075 fps
- 4 grain RCC @ 3450 fps
- 16 grain RCC @ 2425 fps
- 64 grain RCC @ 1700 fps
- 17 grain FSP @ 2150 fps

Other Features / Performance

- Minimum static load test of 150 lbs.
- Minimum dynamic load test of 25 fps
- Impact mitigation, less than 150 gs force transmitted to the head at 10 fps
- Compatible with the use of all major gas masks worn under the helmet
- Weights: Medium, 3.0 lbs., Large 3.25 lbs., XL 3.4 lbs.
- Berry Amendment Compliant
- No degradation of performance after 3' immersion in salt water for 3 hours
- Ballistic performance within the following temperature range: -40°F to 160°F
- Standard helmet fits over MSA MICH Communication Systems

Customer Options

- Available in black, tan or O.D. Green
- 1-, 2- or 3-hole drilled for NVG Mounting
- TC 2001 – Full Ear Cutout (Medium & Large)
- TC 2002 – Partial Ear Cutout (Medium & Large)

SIZING

Shell Size	Pad Size	Head Size (U.S.)
Medium	No. 8 (1")	6 ½ – 7
Medium	No. 6 (¾")	7 – 7 ¼
Large	No. 8 (1")	7 ¼ – 7 ½
Large	No. 6 (¾")	7 ½ – 7 ¾
X-Large	No. 8 (1")	7 ¾ – 8
X-Large	No. 6 (¾")	8+



ACH TC-2000 (GREEN)

	Medium Size Pad Set #6	Medium Size Pad Set #8	Large Size Pad Set #6	Large Size Pad Set #8	X-Large Size Pad Set #6	X-Large Size Pad Set #8
No. Holes	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
0	300098A	300641A	300099A	300642A	N/A	N/A
1	300188A	300647A	300189A	300648A	10050873	10050874
2	300363A	300653A	300371A	300654A		
3	300364A	300659A	300372A	300660A		

ACH TC-2000 (BLACK)

	Medium Size Pad Set #6	Medium Size Pad Set #8	Large Size Pad Set #6	Large Size Pad Set #8
No. Holes	Part No.	Part No.	Part No.	Part No.
0	300134A	300689A	300135A	300690A
1	300368A	300695A	300376A	300696A
2	300369A	300701A	300377A	300702A
3	300370A	300707A	300378A	300708A



ACH TC-2000 (TAN)

	Medium Size Pad Set #6	Medium Size Pad Set #8	Large Size Pad Set #6	Large Size Pad Set #8
No. Holes	Part No.	Part No.	Part No.	Part No.
0	300132A	300665A	300133A	300666A
1	300365A	300671A	300373A	300672A
2	300366A	300677A	300374A	300678A
3	300367A	300683A	300375A	300684A



Accessory Visors

Part Number	Description
10072800	Military Style Shield, .250" Thickness, 5", Anti-Fog
10072804	Military Style Shield, .250" Thickness, 8", Anti-Fog
10072799	Riot Shield, .150" Thickness, 5"
10072803	Riot Shield, .150" Thickness, 8"

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.MSAnet.com

Commercial Government Customer Service Center
Phone 1-866-672-1001
Fax 1-800-967-0398

MSA Canada
Phone 416-620-4225
Fax 416-620-9697

MSA Mexico
Phone 52-55 21 22 5770
Fax 52-55 5359 4330

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

Offices and representatives worldwide

For further information:

MSA POLICE LINE

Protecting the protectors since 1914.

ID 3720-23-MC / March 2006

© MSA 2006 Printed in U.S.A.