



Technical Data Sheet

OH&ESD

3M™ Hard Hats H-700 Series

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Main Features

The Hard Hats H-700 Series are designed to provide comfort and head protection from small falling objects striking the top of the hard hat.

The key features include:

- Replaceable brow pad
- High-density polyethylene shell
- Lightweight and compact design
- Vented option available
- May be worn in reverse donning position
- Short brim for better upward visibility
- Available in multiple color options
- 4-color custom imprinting available
- Accessory slots for attachment of cap-mounted ear muffs, headgear and faceshields and/or welding helmet
- Comfortable, 4-point Pinlock or Ratchet suspension with height adjustment

Standards

Meets the following requirements:

- Non-Vented versions: ANSI/ISEA Z89.1-2009 Type 1, Class C, G and E; CSA Z94.1-05 Type 1, Class C, G and E.
- Vented versions: ANSI/ISEA Z89.1-2009 Type 1, Class C; CSA Z94.1-05 Type 1, Class C.

Applications

Hard hat protection should be used when workers are potentially exposed to any of the following hazards:

- Objects falling from above
- Contact with fixed objects such as exposed beams or pipes
- Contact with exposed electrical conductors (**non-vented version only**)

Typical applications for the 3M™ Hard Hats H-700 Series when used with other appropriate PPE include:

- Construction work
- Heavy and light industrial
- Oil and Gas
- Mining
- Road construction
- Utilities
- Forestry

3M™ Hard Hats H-700 Series are designed to provide limited head protection from small falling objects striking the top of the hard hat and electrical hazards. It does not provide front, side or rear impact protection.

The Hard Hats H-700 Series are designed to absorb some of the energy of an impact through partial destruction of component parts and, even though damage may not be readily apparent, any protective hard hat subject to impact should be replaced.

In all cases a risk/hazard assessment should be carried out and use limitations considered to ascertain the protection required.

WARNINGS!

- In order to provide maximum protection, the hard hat must fit securely on the head and the suspension must be adjusted to a snug fit.
- Never alter, puncture, modify or engrave the shell or suspension.
- Always use 3M replacement parts.
- Inspect the hard hat shell and suspension frequently. Check for cracks, frayed suspension straps and any sign of damage before every use. Replace the hard hat immediately if any signs of wear, damage, abuse or degradation are noticed.
- Prolonged exposure to direct sunlight will degrade the hard hat shell. Do not store in direct sunlight when not in use.
- Do not use paints, solvents, chemicals, adhesives, gasoline or like substances on this hard hat. These materials can cause deterioration to the shell's ability to withstand impact and penetration.
- Do not use the 3M™ Hard Hats H-700 Series as a vehicular or sports helmet.
- Do not store objects between the suspension and the shell.

Replacement Recommendations

Replace the hard hat if subjected to impact. 3M recommends the wearer replace the hard hat suspension at least every twelve months and the hard hat shell at least every two to five years depending on work environment.

Inspect the hard hat, including the suspension and shell, prior to each use. **Replace at first sign of wear.** Refer to user instructions for proper installation and replacement of the suspension.

Maintenance and Storage

Clean the hard hat and suspension with mild soap and water. Rinse and wipe dry. Do not use paints, solvents, chemicals, adhesives, gasoline or like substances on this hard hat. Store the hard hat away from direct sunlight.

Additional Product Specifications:

General:

Weight (with 4-point Pinlock Suspension): 325g
 Weight (with 4-point Ratchet Suspension): 345g
 Warning Label: YES
 Imprinting Capability: YES
 Instructions with Product: YES (on the poly-bag packaging)
 No. of Colors: 10 (Non-Vented), 4 (Vented)

Outer Shell:

Materials: High-density polyethylene (HDPE)
 Style: Cap
 Accessory Slots: YES
 Chin Strap Attachment: YES (2 and 3 point)
 Rain Trough: NO
 Dimensions: W=8.5", L=11", H=5.5"
 Brim Length: 1.5"

Suspension – 4-Point Pinlock:

Headband Size: 6 3/4" to 7 3/4"
 Incremental Sizing: 1/8"
 Cradle Material: HDPE
 Crown Strap Material: Textile
 Crown Strap Width: 7/8"
 Crown Strap Color: Black
 Height Adjustment: 2 Rear (3 levels of adjustment)
 Brow Pad Material: Flame retardant, ventilated cushioned vinyl
 Replaceable Brow Pad: YES

Suspension – 4-Point Ratchet:

Headband Size: 6 5/8" to 7 3/4"
 Incremental Sizing: Continuous ratchet
 Cradle Material: HDPE
 Crown Strap Material: Textile
 Crown Strap Width: 7/8"
 Crown Strap Color: Black
 Height Adjustment: 2 Rear (3 levels of adjustment)
 Brow Pad Material: Flame retardant, ventilated cushioned vinyl
 Replaceable Brow Pad: YES

Prod# Sl#	Description
H-701P 70-0715-7782-2	3M™ Hard Hat H-701P, White 4-Point Pinlock Suspension.
H-702P 70-0715-7783-0	3M™ Hard Hat H-702P, Yellow 4-Point Pinlock Suspension.
H-703P 70-0715-7784-8	3M™ Hard Hat H-703P, Blue 4-Point Pinlock Suspension.
H-704P 70-0715-7785-5	3M™ Hard Hat H-704P, Green 4-Point Pinlock Suspension.
H-705P 70-0715-7786-3	3M™ Hard Hat H-705P, Red 4-Point Pinlock Suspension.
H-706P 70-0715-7787-1	3M™ Hard Hat H-706P, Orange 4-Point Pinlock Suspension.
H-707P 70-0715-7788-9	3M™ Hard Hat H-707P, Bright Orange 4-Point Pinlock Suspension.
H-708P 70-0715-7789-7	3M™ Hard Hat H-708P, Gray 4-Point Pinlock Suspension.
H-709P 70-0715-7790-5	3M™ Hard Hat H-709P, Bright Yellow 4-Point Pinlock Suspension.
H-710P 70-0715-7791-3	3M™ Hard Hat H-710P, Navy Blue 4-Point Pinlock Suspension.
H-701R 70-0715-7792-1	3M™ Hard Hat H-701R, White 4-Point Ratchet Suspension.
H-702R 70-0715-7793-9	3M™ Hard Hat H-702R, Yellow 4-Point Ratchet Suspension.
H-703R 70-0715-7794-7	3M™ Hard Hat H-703R, Blue 4-Point Ratchet Suspension.
H-704R 70-0715-7795-4	3M™ Hard Hat H-704R, Green 4-Point Ratchet Suspension.
H-705R 70-0715-7796-2	3M™ Hard Hat H-705R, Red 4-Point Ratchet Suspension.
H-706R 70-0715-7797-0	3M™ Hard Hat H-706R, Orange 4-Point Ratchet Suspension.
H-707R 70-0715-7798-8	3M™ Hard Hat H-707R, Bright Orange 4-Point Ratchet Suspension.
H-708R 70-0715-7799-6	3M™ Hard Hat H-708R, Gray 4-Point Ratchet Suspension.
H-709R 70-0715-7800-2	3M™ Hard Hat H-709R, Bright Yellow 4-Point Ratchet Suspension.
H-710R 70-0715-7801-0	3M™ Hard Hat H-710, Navy Blue 4-Point Ratchet Suspension.
H-701V 70-0715-7802-8	3M™ Hard Hat H-701V, Vented White 4-Point Ratchet Suspension.
H-702V 70-0715-7803-6	3M™ Hard Hat H-702V, Vented Yellow 4-Point Ratchet Suspension.
H-703V 70-0715-7804-4	3M™ Hard Hat H-703V, Vented Blue 4-Point Ratchet Suspension.
H-704V 70-0715-7805-1	3M™ Hard Hat H-704V, Vented Green 4-Point Ratchet Suspension.
H-700-RS4 70-0715-7806-9	3M™ Hard Hat H-700 Series Suspension Replacement, 4-point Ratchet Standard.
H-700-PS4 70-0715-7807-7	3M™ Hard Hat H-700 Series Suspension Replacement, 4-point Pinlock Standard.

WARNING!

3M™ Hard Hats H-700 Series provide limited protection only. Misuse or failure to follow warnings and User Instructions may result in serious personal injury or death. For proper use, see supervisor, User Instructions, or call 3M Occupational Health and Environmental Safety Division (OH&ESD) Technical Assistance.



Occupational Health and Environmental Safety Division
 3M Center, Building 235-2W-70
 St. Paul, MN 55144-1000

For More Information:

US: Website: www.3M.com/occsafety
 Technical Service: 1-800-243-4630

Canada: Website: www.3M.com/CA/occsafety
 Technical Service: 1-800-267-4414