

Technical Data Sheet

3M™ H-700 Series Hardhats

Main Features

3M™ H-700 Hardhats are designed to provide comfort and head protection from small falling objects striking the top of the hard hat.

The key features include:

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



Standards

Meets the requirements of the following standards:

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

3M™ H-700 Series Hardhats 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.

3M™ H-700 Series Hardhats 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 hardhat subject to impact should be replaced.

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

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

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.
- If the hardhat has sustained an impact, dispose of it immediately, even if damage is not visible.
- Prolonged exposure to direct sunlight will degrade the hardhat shell. Do not store in direct sunlight when not in use.
- Do not use paints, solvents, chemicals, adhesives, gasoline or like substances on this hardhat. These materials can cause deterioration to the shell's ability to withstand impact and penetration.
- Do not use the 3M™ H-700 Series Hardhat as a vehicular or sports helmet.
- Do not store objects between the suspension and the shell.

Replacement Recommendations

Replace the hardhat 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 hardhat, 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.



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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

Table with 2 columns: Prod# SI# and Description. Lists various 3M H-700 series hardhat models and their specifications.

3M Occupational Health & Environmental Safety Division

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WARNING!

3M™ H-700 Series Hardhats 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.