



3M™ PELTOR™ Boom Microphones for 3M™ Versaflo™ M-300 Series Hard Hats (NIOSH/ANSI Version)

Product Description

3M™ PELTOR™ Protection & Communication Solutions offer you the possibility to communicate effectively while helping protect your hearing in noisy environments.

The 3M PELTOR Boom Microphones MT7V/1 and MT53V/1 offered with the 3M™ Versaflo™ M-300 Series Hard Hat to provide an all-in-one solution for:

- Respiratory Protection
- Head Protection
- Face and Eye Protection
- Hearing Protection and Communication

Figure 1: 3M Versaflo M-300 Series Hard Hat with 3M PELTOR Communication solutions



Figure 2: 3M PELTOR Microphone MT53V/1



Figure 3: 3M PELTOR Microphone MT7V/1



Raising the visor on a respiratory protective hard hat can significantly increase the wearer's exposure to atmosphere hazards. By incorporating the 3M PELTOR Microphone inside the 3M Versaflo Respirator Hard Hat you can maintain clear communication with your workteam, even in noisy environments, and without the need to raise the visor.

Key Features

- Hearing Protection for noisy environments with built-in communication
- Noise-cancelling microphone for high-noise environments
- Voice Operated Transmission (VOX) functionality to allow hands-free communication, when supported by headset model
- The 3M PELTOR Boom Microphone is available in 2 options for compatibility with a variety of 3M PELTOR Communication Headsets (see [Compatibility](#)).
 - MT7V/1
 - MT53V/1
- The microphone includes 3 adjustment points
- The microphone can be fitted to any 3M Versaflo™ M-300 Series Hard Hat with a simple snap-fit connection
- The pivoting arm of the microphone allows for storage when not in use and also provides the opportunity to maintain communication when respiratory protection is not required
- Z3AF hard hat attachment plates for mounting the headset onto the hard hat are included with the microphone kit

Applications

The 3M PELTOR Communication Microphone for the 3M Versaflo M-300 Series Hard Hat can be used for applications where communication is required while using the 3M Versaflo M-300 Series Hard Hat for respiratory protection.

Potential Markets include:

- Construction
- Metal Industry
- Rail and Infrastructure
- Utilities
- Approved for use in potentially explosive atmospheres according to CSA/IECEX regulations when in combination with the 3M™ PELTOR™ WS™ LiteCom Pro III, IS headset.
 - Class I, Div I, Groups A, B, C, & D
 - Class II, Div 1, Groups E, F, G
 - Class III Div 1

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Standards and Approvals

These products are NIOSH-approved as an accessory for the 3M Versaflo M-300 Series Respirator Hard Hats.

Limitations

- Use of certain headsets with the 3M Versaflo M-300 may mean the mass exceeds 1.5kg. Please contact 3M for further information.
- Ensure that the microphone cable does not interfere with the respiratory face seal or ear cushions.
- Take care to prevent any cables from catching on protruding objects.
- Only adjust the microphone outside of the contaminated area. Do not reach your hand inside the headgear to adjust the microphone while inside the contaminated area.

Standard Models

Product Number	Description	3M ID Number
MT7V/1	3M PELTOR Boom Microphone for headsets w/ the MT7 or MT73 Mic	71 00099097
MT53V/1	3M PELTOR Boom Microphone for headsets w/ the MT53 Mic	71 00098955

Technical Data Specifications

Operating Temperature: -20°C to 55°C (-4 to 131°F)

Storage Temperature: -20°C to 55°C (-4 to 131°F)

Wired Connectivity: 3M PELTOR J22 Plug

Compatibility

The 3M Versaflo M-300 Series Hard Hats are compatible with a variety of 3M PELTOR Communication Headset Solutions. Compatibility depends on specific headset models. See the following list for more information on specific headsets.

Product Number	Description	Features	Boom Mic
MT53H7P3E4602-NA	3M PELTOR LiteCom FRS Headset	Integrated two-way radio	MT53V/1
MT7H7P3E461 0NA* MT7H7P3E461 2-CA** MT73H7P3E461 0NA	3M PELTOR LiteCom Plus Headset	Integrated two-way radio + environmental listening	MT7V/1
MT73H7P3E461 0WS6NA	3M PELTOR WS™ LiteCom Plus Headset	Integrated two-way radio + Bluetooth® communication + environmental listening	MT7V/1
MT73H7P3E4D1 0-NA MT73H7P3E4D1 0NA GB*	3M PELTOR WS LiteCom Pro III Headset	Integrated two-way radio + Bluetooth communication + environmental listening	MT7V/1
MT73H7P3E4D1 0NA-50	3M PELTOR WS LiteCom Pro III Headset, IS	Integrated two-way radio + Bluetooth communication + environmental listening + Intrinsically Safe (IS) approved	MT7V/1

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Product Number	Description	Features	Boom Mic
MT15H7P3EWS6	3M PELTOR WS ProTac XPI Headset	Bluetooth communication + environmental listening	MT7V/1
MT15H7P3EWS6-111	3M PELTOR WS ProTac XPI FLX2 Headset	Bluetooth@ communication + environmental listening + wired communication	MT7V/1
* Available only in USA			
** Available only in Canada			



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3M PSD products are occupational use only.

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