

3M Science.
Applied to Life.™

Help protect workers' health and safety from rig to refinery.



**3M™ Personal Protective Equipment (PPE)
Solutions for the Oil & Gas Industry**

Table of contents

Health and Safety

We have safety down to a science	3
Worker health and safety throughout the entire oil and gas process	4
Potential Hazards for the Oil & Gas Industry	8
PPE works best when worn properly, 100% of the time	10
Why might workers not wear their PPE 100% of the time exposed?	11
How can 3M technologies work together?	12
It's time to change the way we look at PPE	13

3M Personal Protective Equipment

Respiratory Protection Solutions	14
Hearing Protection and Communication Solutions	19
Eye Protection Solutions	20
Head Protection Solutions	22
Welding Protection Solutions	23
Fall Protection Solutions	24
Validate your protection	26
Training	27



We have safety down to a science.

Your workers deserve PPE that works as hard as they do, and that enables them to do their jobs with confidence. And because **PPE is the last barrier of protection, and it is only effective when worn properly 100% of the time exposed**, it should also be comfortable and easy to use.

With a comprehensive health and safety program enhanced by PPE and support resources from 3M, you can help your teams stay safe. With our broad portfolio of solutions, industry knowledge and support resources, we know what it takes to help you select PPE appropriate for the needs of your work site.

Why work with 3M?

- ▶ Innovative technologies
- ▶ Industry knowledge and hazard awareness
- ▶ Regulatory and standards knowledge
- ▶ PPE standardization and improvement programs
- ▶ Training centers and online education courses
- ▶ Authorized service and repair centers
- ▶ Broad channel/reseller network

3M Personal Protective Equipment Solutions

- ▶ Respiratory protection
- ▶ Fall protection
- ▶ Hearing protection
- ▶ Protective communications
- ▶ Eye protection
- ▶ Face protection
- ▶ Head protection
- ▶ Welding safety
- ▶ Protective coveralls



Worker health and safety throughout

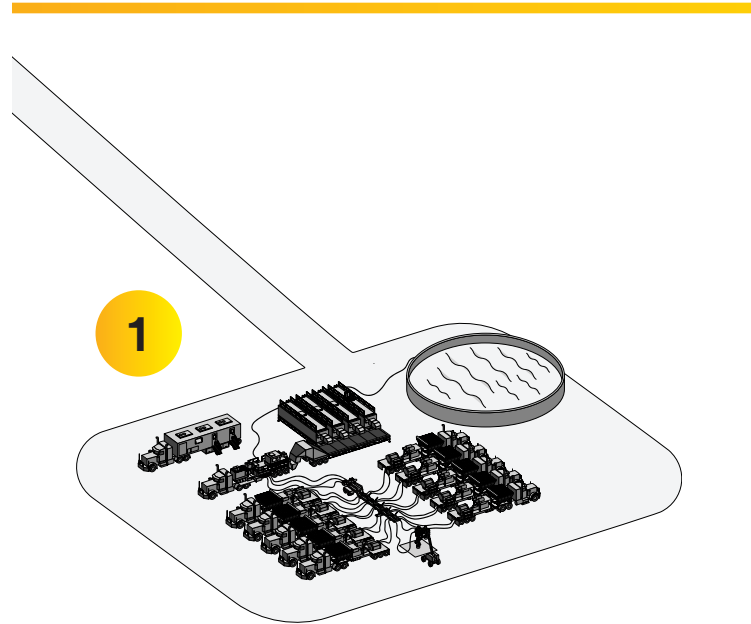
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Hydraulic Fracking

Workers on an oil well hydraulic fracturing site are involved in various tasks crucial to the extraction of oil and natural gas from underground rock formations. Their responsibilities include operating and maintaining high-pressure pumps and equipment used to inject water, sand, and chemicals into the well to fracture the rock, monitoring the flow and pressure of fluids, and ensuring the integrity of the well structure.

Key Safety Considerations:

- ▶ Exposure to silica dust and hazardous chemicals.
- ▶ High noise levels from the operation of high pressure equipment
- ▶ Lack of clear communication which may lead to serious safety, operational, and environmental consequences
- ▶ Physical hazards such as slips, trips, flying objects, working at heights, and operating high pressure equipment
- ▶ Risks from spills, fires, and explosions due to the flammable materials and high-pressure equipment



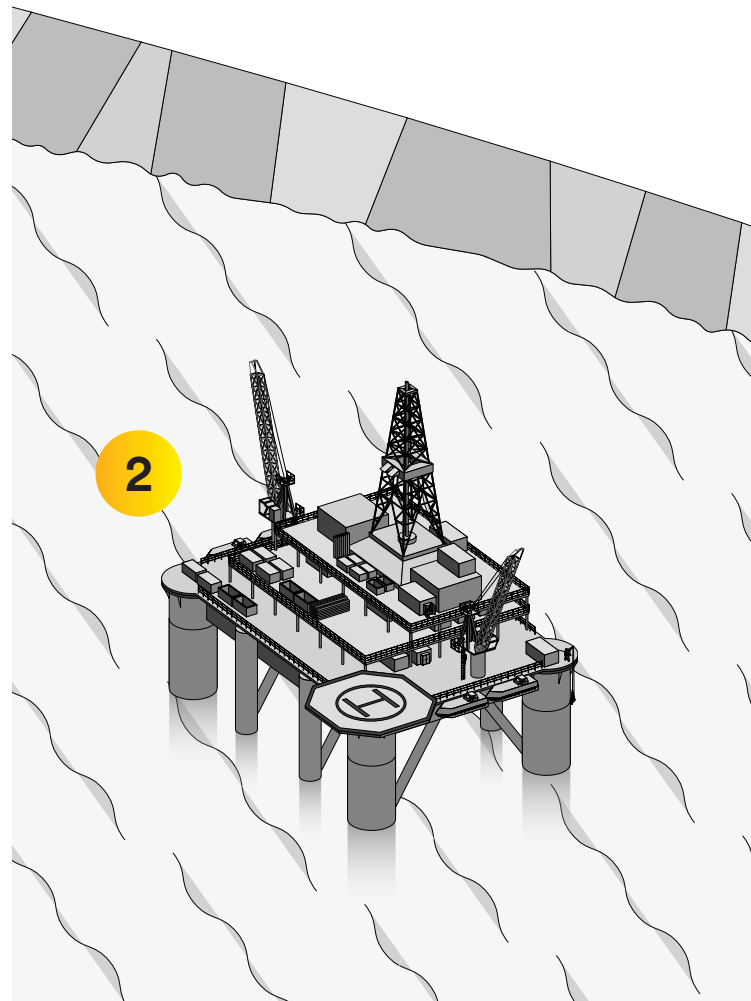
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Offshore Drilling & Production

Workers on an offshore drilling or production platform are tasked with a range of responsibilities essential to the exploration, drilling, and processing of oil and gas extracted from beneath the ocean floor. Duties include operating and maintaining drilling equipment, monitoring drilling or production operations, and ensuring the stability and safety of the offshore platform.

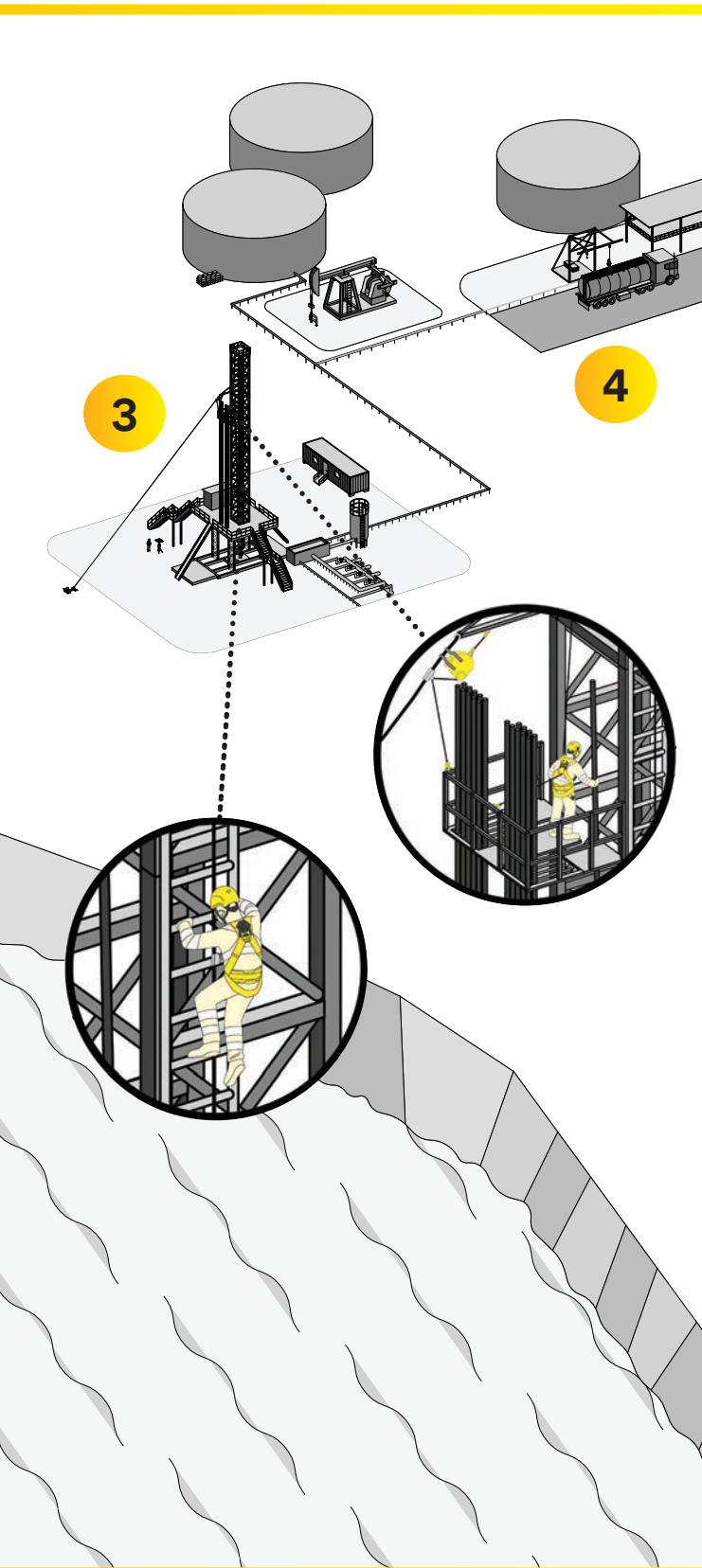
Key Safety Considerations:

- ▶ Exposure to hazardous chemicals and gases such as hydrogen sulfide (H₂S), methane, volatile organic compounds (VOC), and other chemical vapors
- ▶ Noise exposure from various sources, including drilling equipment, heavy machinery, helicopters, maintenance and repair operations
- ▶ Lack of clear communication which may lead to serious safety, operational, and environmental consequences
- ▶ Physical hazards such as slips, trips, flying objects, working at heights, and operating complex machinery
- ▶ Risks of fires and explosions due to the presence of flammable materials and high-pressure equipment
- ▶ Isolated nature of offshore drilling rigs and production platforms complicate emergency response and evacuation procedures



Sources: eia.gov, api.org, iadc.org, osha.gov, afpm.org, bsee.gov

the entire oil and gas process



3

Onshore Drilling

Workers on a land-based oil drilling rig perform a variety of tasks essential to the extraction of oil and gas. These tasks include operating and maintaining drilling equipment, monitoring drilling operations, handling drilling fluids, and ensuring the safety and efficiency of the drilling process. Workers may also be responsible for assembling and disassembling drilling rigs and managing waste materials.

Key Safety Considerations:

- ▶ Exposure to hazardous chemicals and gases such as hydrogen sulfide (H₂S), methane, volatile organic compounds (VOCs) and other chemical vapors.
- ▶ Physical hazards such as slips, trips, flying objects, and falls while working with or near moving machinery.
- ▶ Risk of fires and explosions is significant due to the presence of flammable materials and high-pressure equipment.
- ▶ Noise exposure from various sources, including drilling equipment.
- ▶ Lack of clear communications which may lead to serious safety, operational, and environmental consequences.

4

Truck Transportation

Workers manage several activities that support truck tanker transport of refined petroleum products like gasoline or diesel. Duties include loading and unloading of refined products, vehicle safety inspections, and implementing spill response emergency protocols.

Key Safety Considerations:

- ▶ Exposures to hazardous gases or vapors like benzene or other volatile organic compounds (VOCs)
- ▶ Presence of flammable vapors and gases may lead to fires or explosions
- ▶ Noise exposure from various sources like engines and pumps
- ▶ Physical hazards such as slips, trips, and falls from working on elevated platforms or around equipment
- ▶ Emergency incident response to spills or accidents

Sources: eia.gov, api.org, iadc.org, osha.gov, afpm.org, bsee.gov

Worker health and safety throughout

5

Petroleum Refinery

Workers at petroleum refineries are involved in complex processes like distillation, cracking, reforming, and treating which are used to convert crude oil into usable products such as gasoline, diesel, jet fuel, and petrochemicals. Duties include operating and maintaining high-pressure equipment, monitoring chemical reactions, and ensuring mechanical integrity and process safety. Turnaround and maintenance (TAM) projects at refineries are planned and reoccurring shutdowns of one or more process units to perform key inspect, maintenance, overhaul and repair activities.

Key Safety Considerations:

- ▶ Exposures to hazardous chemicals and gases such as benzene, hydrofluoric acid, sulfur dioxide, ammonia, hydrogen sulfide, mercury vapor, volatile organic compounds (VOC), and other chemical vapors or airborne particulates.
- ▶ Noise exposure from various sources, including process equipment, heavy machinery, maintenance and repair operations.
- ▶ Lack of clear communication may lead to serious safety, operational, and environmental consequences.
- ▶ Physical hazards such as slips, trips, flying objects, working at heights, heat stress, arc flash, and heavy equipment operations.
- ▶ Many process vessels are classified as confined spaces that may pose risks such as asphyxiation or entrapment
- ▶ Risks of fires and explosions due to the presence of flammable materials and high-pressure equipment
- ▶ High-risk emergency incident response when containing chemical releases or fires, conducting evacuations, performing rescue operations, or rendering first aid.

6

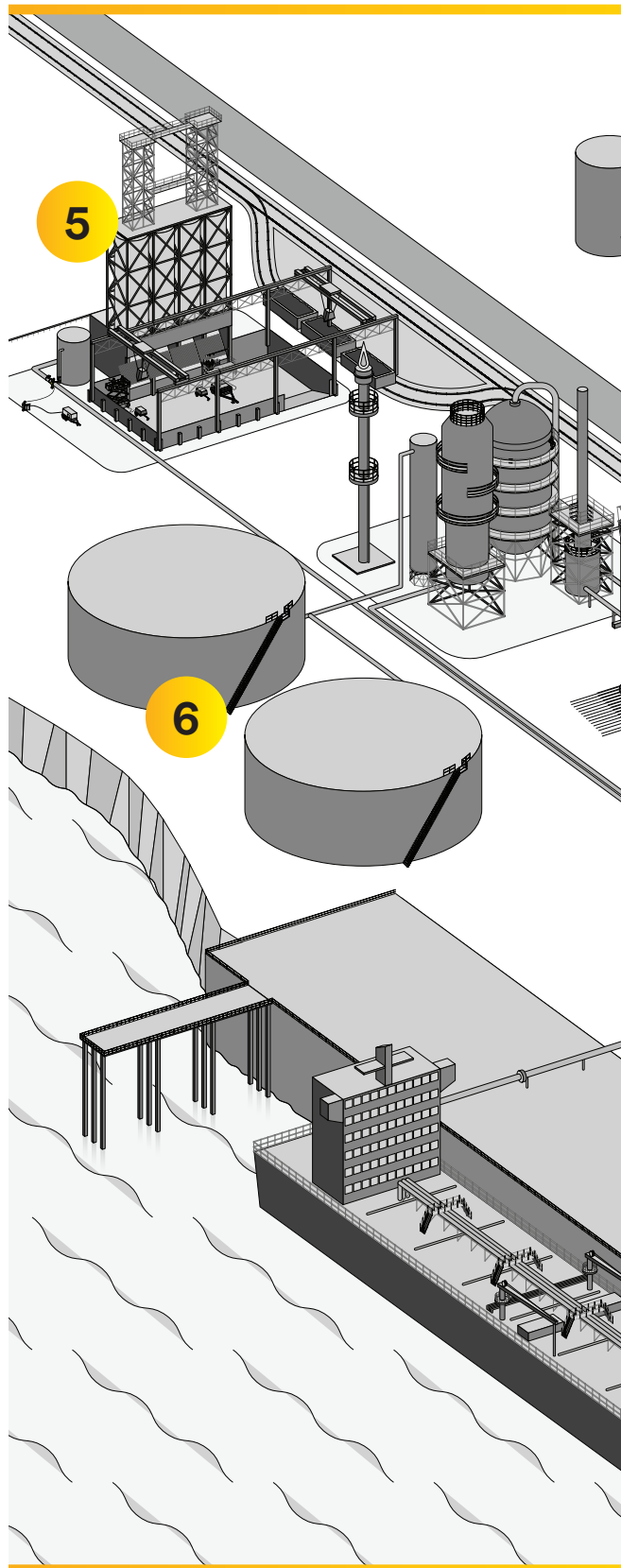
Tank or Storage Terminal

Workers at a tank or storage terminal are involved with managing bulk storage infrastructure and handling liquid products such as crude oil, gasoline, diesel, chemicals, and biofuels. Duties include transfers of bulk liquids, measuring tank levels, operating high pressure equipment, identifying and overseeing maintenance activities, and implementing spill prevention and emergency response protocols.

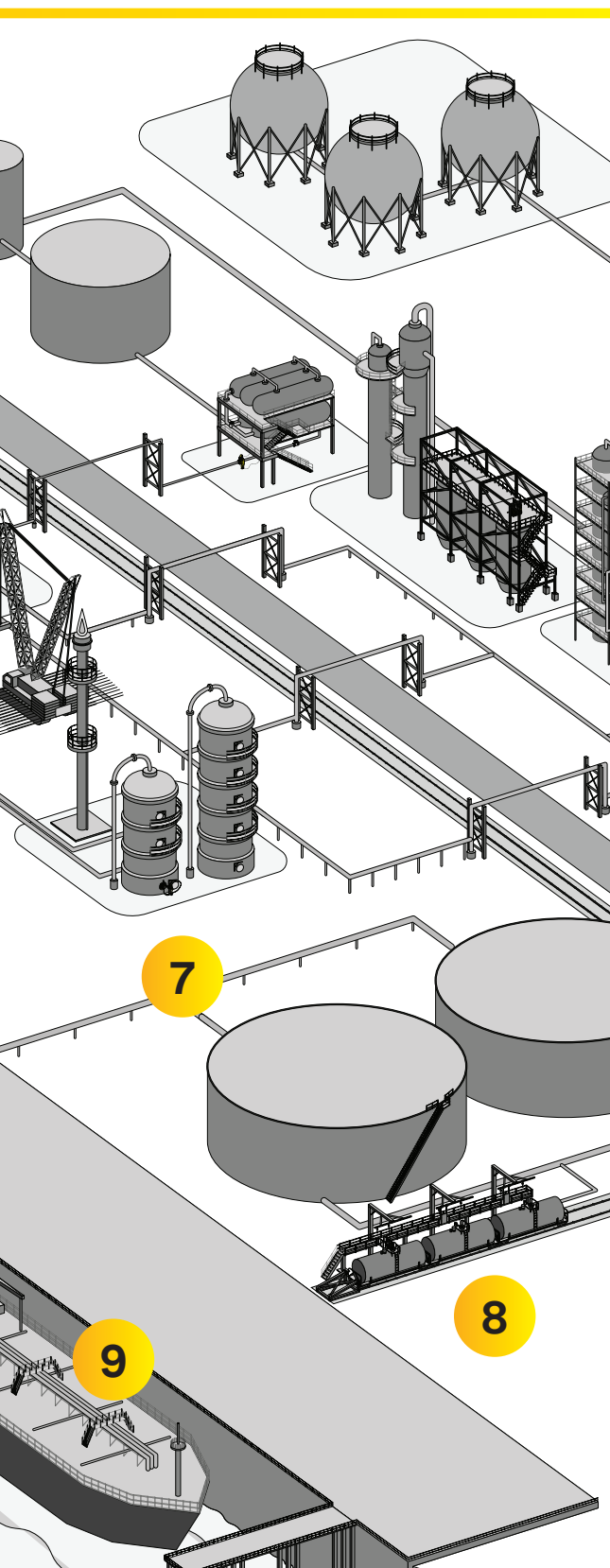
Key Safety Considerations:

- ▶ Exposures to hazardous substances like cleaning agents, petroleum vapors, and residues
- ▶ Presence of flammable vapors and gases may lead to fires or explosions, especially during tank cleaning or maintenance tasks
- ▶ Noise exposure from various sources, including process equipment, heavy machinery, maintenance and repair operations
- ▶ Lack of clear communication may lead to serious safety, operational, and environmental consequences
- ▶ Physical hazards such as slips, trips, flying objects, arc flash, working at heights, heat stress, and heavy equipment operations
- ▶ Storage tanks classified as confined spaces may pose risks such as asphyxiation or entrapment
- ▶ High-risk emergency incident response when containing spills, conducting evacuations or responding to fires

Sources: eia.gov, api.org, iadc.org, osha.gov, afpm.org, bsee.gov



the entire oil and gas process



7

Pipeline Transportation

Workers manage a wide range of activities that support the transport of crude oil and natural gas via pipelines. Duties include controlling the flow of materials through pipelines, maintaining pipeline structural integrity through inspection and maintenance tasks, implementing spill prevention and emergency response protocols as needed.

Key Safety Considerations:

- ▶ Exposures to hazardous fumes, gases, or vapor substances like welding fumes, hydrogen sulfide (H_2S), methane, residual hydrocarbons or coatings
- ▶ Presence of flammable vapors and gases may lead to fires or explosions
- ▶ Noise exposure from various sources, including high pressure equipment, maintenance and repair operations
- ▶ Physical hazards such as hot metal, arc flash, flying objects, moving equipment, and heat stress
- ▶ Pipeline operations often involve entry into confined spaces such as pump stations or valve pits, which can expose workers to toxic gases, oxygen deficiency, or entrapment
- ▶ High-risk emergency incident response to spills, accidents, or fires

8

Railcar Transportation

Workers manage a range of activities that support the transport of crude oil and other liquid products via railcar. Duties include transfers of crude oil or other liquid products, sampling and testing of products, railcar inspections, and implementing emergency response protocols for spills, accidents, or fires.

Key Safety Considerations:

- ▶ Exposures to hazardous gases or vapors like hydrogen sulfide (H_2S), benzene, sulfuric acid, methane, mercury vapor
- ▶ Presence of flammable vapors and gases may lead to fires or explosions
- ▶ Noise exposure from various sources like heavy equipment and pumps
- ▶ Lack of clear communications may lead to serious safety, operational, and environmental consequences
- ▶ Physical hazards such as heat stress, slips, trips, flying objects, and falls from working on elevated platforms or around equipment.
- ▶ High-risk emergency incident response to spills, accidents, or fires

9

Marine Transportation

Workers manage a range of activities that support the transport of crude oil by oil tankers or barges. Duties include mooring vessels, crude oil transfers, high pressure equipment operations, sampling and testing of crude oil, monitoring for leaks or spills, and initiating emergency response protocols if needed.

Key Safety Considerations:

- ▶ Exposures to hazardous gases or vapors like hydrogen sulfide (H_2S), benzene, mercury vapor, methane
- ▶ Presence of flammable vapors and gases may lead to fires or explosions
- ▶ Noise exposure from various sources like high pressure equipment
- ▶ Lack of clear communication which may lead to serious safety, operational, and environmental consequences
- ▶ Physical hazards such as heat or cold stress, slips, trips, flying objects, and falls from working on elevated structures or around equipment
- ▶ High-risk emergency incident response to spills, accidents, or fires

Sources: eia.gov, api.org, iadc.org, osha.gov, afpm.org, bsee.gov

Potential Hazards for the Oil & Gas Industry

(includes Upstream, Midstream, and Downstream sectors)

When health and safety is at stake, you want PPE that you can trust – and that your workers will feel good about wearing. With 3M™ Personal Protective Solutions, you can help protect your workers against the hazards of their job, wherever it takes them.



Chemical exposures

(includes airborne particulates, gas & vapors)

Workers may encounter a wide range of chemical hazards including solvents, acids, caustics, aromatics, and hydrocarbons.



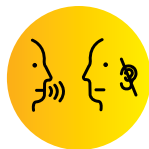
Highly toxic chemicals may have especially low Occupational Exposure Limits (OEL) and pose significant hazards, including potential carcinogenic effects.



Noise

(includes inability to communicate)

Area background noise and high-noise operations (i.e. blasting and grinding) are often present during a plant TAM and may be amplified in confined spaces like metal tanks and vessels.



Communication can also be difficult when working in noisy environments, at heights, or in confined spaces.



UV IR VIS Light

(i.e. welding arc)

Welding processes can generate hazardous ultraviolet (UV) radiation, infrared (IR) radiation, and (intense) visible light from the welding arc. Unprotected exposure to UV, IR and intense visible lights may lead to adverse health effects.



Liquid Splash and Foreign Objects

Gases, vapors, mists, fine suspended dust, liquid splashes or sprays may cause irritation, inflammation, and other damage to eye. An eye can become inflamed, painful, and teary in reaction to a foreign object. Corneal scratches caused by metal particles can also result in a serious eye injury.



Flying Objects

Flying objects pose a risk to more than just the top of your head. In many cases, eye protection may not be enough as flying debris can affect the safety of your entire face.



Falling Objects

Bumps to the head and impact from falling debris may occur and potentially result with a worker having a serious injury.

Potential Hazards for the Oil & Gas Industry

(includes Upstream, Midstream, and Downstream sectors) continued



Confined Space - Entry, Exit, & Fall Arrest

Workers involved with a confined space must be protected while working in and around the space. Confined spaces come in different sizes and shapes. These spaces must be evaluated prior to entry and a system must be designed to manage any situation.



Confined Space - Retrieval & Rescue

On-site plant emergency response team members respond to a situation where a worker needs rescue from a confined space environment. The plan should address all levels of rescue, including self-rescue and assisted rescue and have the appropriate equipment on stand-by for deployment if needed.



Working at Heights

Workers should be protected while working at heights which may involve working on drilling rigs or platforms, maintaining pipelines, or performing inspection and maintenance activities on storage tanks and process units. Activities can include working on ladders, scaffolding, aerial lifts, or mobile elevating work platforms, as well as near or in pipe racks, on flat or sloped roofs, and near edges or openings in floors or walls.



Rescue from Heights

On-site plant emergency response team members need to be able to quickly and safely recover a suspended worker following a fall from height. The plant emergency response plan should address all aspects of rescue including trauma straps, automatic rescue, self-rescue and assisted rescue and have all appropriate equipment on stand by for deployment as required.



Fire

On-site fire brigade will need appropriate equipment to quickly respond to a plant fire or other emergency response incident at the chemical plant. Not all chemical plants will have an on-site fire brigade.



Hazmat/Spill

On-site emergency response team needs appropriate equipment to quickly respond to hazmat or spill incidents. Some hazmat/spill incidents may require the help of external companies specialized in handling hazardous materials.

PPE works best when worn properly, 100% of the time.

Why is wear time so important?

Wear time is the percentage of time workers **actually** wear their required PPE vs. the amount of time they **should** wear it to achieve the desired protection.

The **Assigned Protection Factor (APF)** used to help select respiratory PPE assumes that workers wear their required PPE properly 100% of the time they may be exposed while on the job. The **Effective Protection Factor (EPF)** is the actual protection rate factor achieved based on the wear time for each worker.

Impact on respiratory protection EPF

Removing a respirator for just a few minutes to communicate may impact protection.



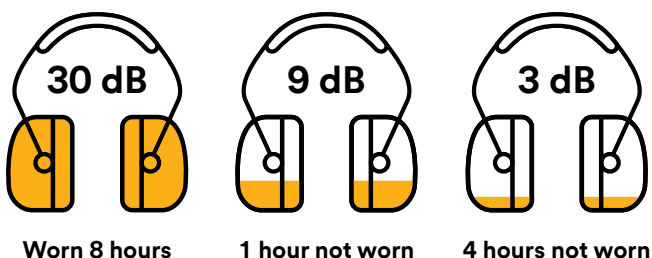
**Assuming a half face piece respirator with an APF of 10, 5% of an 8 hour workshift is 3 min/hour, or 24 min a day non-wear time. Colton, Craig. Respiratory Protection. Fundamentals of Industrial Hygiene. Ed. Barbara Plog. Itasca: National Safety Council, 2012, 678-679.

Respirator Type	APF ³	Percent of Time Respirator Worn & Associated EPF		
		100%	95%	80%
 Half-face respirator	10	10	7	3.6
 Full-face respirator	50	50	14.5	4.6
 Powered & Supplied Air	1000	1000	20	5
 SCBA	10,000	10,000	20	5

Colton, Craig. "Respiratory Protection." *Fundamentals of Industrial Hygiene*. Ed. Barbara Plog. Itasca: National Safety Council, 2012. 678-679.

Impact on hearing protection

Effective protection drops when hearing protectors are not worn.¹ See the impact of just 1 hour without hearing protection over an 8 hour shift:



Even when noise seems to be at a reasonable level, noise above 85 dBA can still lead to long-term damage. Noise-induced hearing loss is caused by the damage and eventual death of sensory cells in your ears, called hair cells. Unlike some other cells, human ear hair cells never grow back.² Every hour without protection may make a lasting impact on workers' long-term hearing.

¹ Based on 95 dBA TWA exposure and using NIOSH Recommended Exposure Limit of 85 dBA and 3 dB exchange rate.

² U.S. Department of Health and Human Services. National Institutes of Health, 2019. <https://www.nidcd.nih.gov/sites/default/files/Documents/health/hearing/noise-induced-hearing-loss-english-8-2021.pdf>

³ The APF table applies only to NIOSH approved respiratory solutions and follows OSHA's Respiratory Protection Standard: 29 CFR 1910.134. For information on APFs for EN-approved respiratory solutions, please refer to EN 529:2005 and national workplace protection guidance for applying these numbers in the workplace. Contact 3M for further details.



How can 3M's Integrated Protection Program* technologies and services help encourage wear time?

*3M Integrated Protection Program refers to 3M's portfolio of personal protective equipment (PPE) technologies and services that may be used by workers for their various needs, including comfort, fit, compatibility, communication, and performance. The depicted combinations are representative examples of which technologies may work together, but these combinations may not be appropriate for all work environments. Employers are responsible to select PPE combinations based on employee risk assessment for hazards and ensure that fit testing of combinations are conducted while wearing all appropriate PPE.

Why might workers not wear their PPE 100% of the time exposed?

Communicating clearly while wearing hearing and respiratory protection can be challenging. If workers remove PPE to speak, protection may be compromised.

Workers need to wear multiple types of PPE for long periods of time, which may interfere with each other when worn together.

Heat, humidity and lack of breathability can cause discomfort. So can chafing or pressure from overlapping PPE.

PPE that isn't properly sized or adjusted may not perform as intended – especially if other types of PPE are interfering with the proper donning.

From fogging eyewear to interrupted communications, PPE not working together can be cumbersome and can interfere with the job at hand.

How can we encourage wear time?

Communication

Features to help allow communication without removing PPE.

Compatibility

Select PPE technologies designed to help fit a wide variety of workers, and use fit testing to ensure PPE works together.

Comfort

PPE with features such as pressure diffusion technology to enhance comfort both individually and in combination.

Fit

PPE that fits properly while worn together, both for comfort and for protection against a variety of hazards. Fit testing should be conducted with all necessary PPE worn together.

Performance

PPE which resists fogging, allows for communication, or allows welders to keep working without changing PPE between tasks may reduce time workers need to adjust PPE.

Wear time isn't just about compliance.



It's about helping keep workers healthy and safe.

How can 3M technologies work together?

In many jobs, workers are exposed to multiple hazards simultaneously, such as high levels of noise, airborne contaminants and flying objects. For example, the 3M Integrated Protection Program* leverages our unique technologies to help enable clear communication without compromising respiratory or hearing protection — with comfort features to help encourage all day wear.



3M™ SecureFit™ Hard Hats

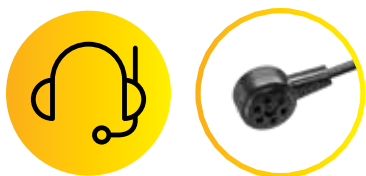
- Ratchet suspension system featuring patented 3M™ SecureFit™ Pressure Diffusion technology that flexes and self-adjusts to the size of the wearer's head, reducing forehead pressure and increasing comfort for all-day wear
- Works well with a variety of 3M™ PELTOR™ Earmuffs and other accessories
- Customize your fit with multiple levels of height and head-shape adjustments



3M™ SecureFit™ Protective Eyewear

- Anti-fog/anti-scratch coatings available, including 3M™ Scotchgard™ Protector coating
- Temples flex and self-adjust to the size of the wearer's head
- The flat and flexible temple design combines well with 3M™ Protective Earmuffs

[Read the study summary](#)



3M™ PELTOR™ Protective Communications**

- Help protect your hearing in noisy environments and hear ambient sounds
- Options to improve the ability to communicate with nearby colleagues, as well as to hear warning alerts, oncoming vehicles, or sounds from machines and processes



3M™ Secure Click™ Half-Face and Full-Face Respirators

- Speaking diaphragm helps provide easy communication while working
- Filters/cartridges designed for easy breathability
- Exhalation valve helps direct exhaled breath and moisture downward
- Secure Click connection helps provide confidence that filters/cartridges are installed properly

*3M Integrated Protection Program refers to 3M's portfolio of personal protective equipment (PPE) technologies and services that may be used by workers for their various needs, including comfort, fit, compatibility, communication, and performance. The depicted combinations are representative examples of which technologies may work together, but these combinations may not be appropriate for all work environments. Employers are responsible to select PPE combinations based on employee risk assessment for hazards and ensure that fit testing of combinations are conducted while wearing all appropriate PPE.

**Not MSHA approved when intrinsically-safe approvals are required

It's time to change the way we look at PPE.

...from many distinct categories to one comprehensive program.

PPE is the last line of defense, and it is most effective when worn properly, 100% of the time exposed to hazards. When PPE fits correctly and comfortably, US OSHA suggests that workers are more likely to wear it consistently.**

This is why we've introduced the **3M Integrated Protection Program***, a portfolio of personal protective equipment (PPE) technologies and services which may work together to help address one or more of workers' various needs, including comfort, fit, compatibility, communication, and performance.

Discover how each element in the 3M Integrated Protection Program* technologies and services work together.



3M Integrated Protection Program*: a holistic approach to PPE.

This portfolio of PPE technologies and services is more than the sum of its parts. Harnessing our unique technologies to provide the features your workers want, these PPE options and services may help address your workplace hazards. It's all backed by best practices for fit and over 50 years of the Science of Safety.

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**OSHA, <https://www.osha.gov/personal-protective-equipment>, accessed 7/2/2025

Respiratory Protection Solutions

Designed for a variety of industrial applications, our respiratory solutions incorporate unique features and technologies to help provide comfort, durability, and protection. Whether you need disposable, reusable, or powered and supplied air respirators, 3M offers a full spectrum of options to help protect against particulates, gases, and vapors. Supported by a dedicated technical team, we have the industry, product, and regulatory knowledge to help you choose the right protection for your needs.



3M™ Particulate Respirator 8210, N95

Product #:	Regulation/Standard
8210	NIOSH

3M™ Particulate Respirator 8210, N95 is a disposable particulate respirator that is designed to help provide reliable respiratory protection of at least 95 percent filtration efficiency against certain non-oil based particles.



3M™ Particulate Respirator 8233, N100

Product #:	Regulation/Standard
8233	NIOSH

3M™ Particulate Respirator 8233, N100 is a disposable particulate respirator that is designed to help provide reliable respiratory protection of at least 99.97 percent filtration efficiency against certain non-oil based particles.



3M™ VFlex™ Particulate Respirator, Unvalved

Product #:	Size	Regulation/Standard
9152E	Standard	CE
9152ES	Small	CE

3M™ VFlex™ Particulate Respirators provide cost-effective, single-use respiratory protection against certain particulate hazards in the workplace. Made in Europe by 3M, VFlex™ offers reliable protection from a trusted brand. Available in two sizes to fit a broad range of faces.



3M™ Half Facepiece Reusable Respirator 7500 Series

Product #:	Size	Regulation/Standard
7501	Small	NIOSH or CE
7502	Medium	NIOSH or CE
7503	Large	NIOSH or CE

3M™ Half Facepiece Reusable Respirator 7500 Series is a premium facepiece with a 3M™ Cool Flow™ Valve, a soft silicone faceseal for comfort, and a dual-mode head harness for either standard or drop-down mode. 3M™ 7500 Series has a wide variety of 3M bayonet-style filters and cartridges.



3M™ Half Facepiece Reusable Respirator 6000 Series

Product #:	Size	Regulation/Standard
6100	Small	NIOSH or CE
6200	Medium	NIOSH or CE
6300	Large	NIOSH or CE

3M™ Half Facepiece Reusable Respirator 6000 Series is made from a lightweight, comfortable elastomeric material with a bayonet-style design, cradle head harness and adjustable straps. The low-profile 3M™ 6000 Series has a wide variety of 3M bayonet-style filters and cartridges.

Respiratory Protection Solutions (continued)



3M™ Secure Click™ Full Facepiece Reusable Respirator FF-800 Series

Product #:	Size	Regulation/Standard
FF-801	Small	NIOSH or CE
FF-802	Medium	NIOSH or CE
FF-803	Large	NIOSH or CE

3M™ Secure Click™ Full Facepiece Reusable Respirator FF-800 Series helps protect against particulates and/or a wide variety of gases and vapors when used with approved 3M Secure Click filters and cartridges. This facepiece comes with exciting features that make it 3M's next generation in comfort, breathability and simplicity.



3M™ Secure Click™ Half Facepiece Reusable Respirator with Speaking Diaphragm HF-800 Series

Product #:	Size	Regulation/Standard
HF-801SD	Small	NIOSH or CE
HF-802SD	Medium	NIOSH or CE
HF-803SD	Large	NIOSH or CE

3M™ Secure Click™ Half Facepiece Reusable Respirator HF-800 Series helps protect against particulates and/or a wide variety of gases and vapors when used with approved 3M™ Secure Click™ filters and cartridges. This facepiece comes with many innovative features that make it the next generation in comfort, breathability and simplicity.



3M™ Versaflo™ Intrinsically Safe Powered Air Respirator System Heavy Industry Kit

Product #:	Regulation/Standard
TR-800-HIK	NIOSH, ATEX
TR-800E-HIK	CE, ATEX

When working with combustible gases in the oil and gas industry, the 3M™ Versaflo™ TR-800 motor/blower with TR-830 battery is intrinsically safe (IS) equipment.* Available in assemblies or ready-to-use kits with everything your team needs to get started.

*The 3M™ Versaflo™ Powered Air Respirator TR-800 with 3M™ Versaflo™ Battery TR-830 attached, is ATEX approved for use in certain potentially explosive atmospheres. It is approved to Zone 0 requirements and so may be suitable for areas where potentially explosive atmospheres are expected and permanent in normal operations.



Respiratory Protection Solutions (continued)

For certain hazardous environments or rescue situations, atmosphere-supplying respiratory protection such as a Self-Contained Breathing Apparatus (SCBA) or Supplied Air Respirator (SAR) may be required. 3M offers a range of solutions to help protect workers during emergencies.



3M™ Scott™ Sight In-Mask Thermal Imager with Pro Package, 5-Strap

Product #:	Size	Regulation/Standard
201581-02P	Small	NIOSH
201582-02P	Medium	NIOSH
201583-02P	Large	NIOSH

When you wear the 3M™ Scott™ Sight In-Mask Thermal Imager, you get more than constant thermal vision. You get your hands back. That's because unlike other hand held thermal imagers, Sight allows firefighters to always see the image without the need for reaching down and handling an imager. Firefighters now have both hands free for effective communication, victim extraction and carrying tools. Sight Pro Package is the next evolution of the industry's first in-mask, hands-free thermal imaging solution. Pro Package enables new, advanced features to provide firefighters with greater situational awareness during fireground operations.



3M™ Scott™ EPIC 3 Voice Amplifier

Product #:	Regulation/Standard
201275-01	NIOSH or CE

The 3M™ Scott™ EPIC 3 Voice Amplifier provides robust, person-to-person communications in a sleek, streamlined design that projects the voice in the direction the user is facing. Compatible with 3M™ Scott™ AV-Series facepieces, Air-Pak SCBA, air-supplied and air-purifying respirators, the EPIC 3 Voice Amplifier enables clear voice transmission over a custom speaker. Contained in a sleek, streamlined package, the EPIC 3 Voice Amplifier projects the voice in the direction the user is facing.



3M™ Scott™ Air-Pak™ X3 Pro SCBA*

Product #:	Regulation/Standard
X8814025305A04	NIOSH

The 3M™ Scott™ Air-Pak X3 Pro SCBA is built on a foundation of redundant safety features, providing unparalleled performance to protect firefighters who expect the best in demanding conditions. With a focus on enhancing cleanability, comfort, and connectivity to help enhance the security and comfort of today's firefighter, the 3M™ Scott™ Air-Pak X3 Pro SCBA is designed for future compatibility and is compliant to the latest NFPA 1981/1982, 2018 Edition standards.



3M™ Scott™ Industrial SCBA (ISCBA)*

Product #:	Regulation/Standard
IND112AA3216111	NIOSH

The NIOSH-approved 3M™ Scott™ ISCBA SCBA features a simple, dependable single stage pressure reducer combined with the 3M Scott E-Z Flo regulator with first breath activation. It has a sturdy wire-formed backframe with nylon or Kevlar® harness and options for extended duration airline.



3M™ Scott™ Air-Pak™ 75i SCBA*

Product #:	Regulation/Standard
API452001013101	NIOSH

The 3M™ Scott™ Air-Pak 75i is designed with durability, dependability and user-focus in mind. Utilizing a similar design to the legacy NFPA-certified Air-Pak 75 SCBA, the Air-Pak 75i SCBA features a streamlined back frame and a comfortable fit for rigorous activities. 3M Scott's unique dual-redundant pressure reducer and unique vibratert end-of-service time indicator provide peace of mind protection in demanding environments.

The 3M™ Scott™ Air-Pak 75i SCBA is NIOSH approved for respiratory protection in IDLH environments and is suitable for use in industrial, firefighting (non-NFPA), and similar IDLH applications.

*This product comes in several configurations. Please work with your 3M sales representative to select the specific configuration needed.

Respiratory Protection Solutions (continued)



3M™ Scott™ Vision 3 Positive Pressure Face Mask

Product #:	Size	Regulation/Standard
107167	M/L	CE

3M™ Scott™ Vision 3 positive-pressure face masks feature a liquid silicone rubber outer mask with reflex seal and TPE ori-nasal inner mask. Used with a 3M™ Scott™ breathing apparatus, they are suitable to provide respiratory protection in Immediately Dangerous to Life or Health (IDLH) environments.



3M™ Scott™ AV-3000 HT Face Mask

Product #:	Size	Regulation/Standard
8005242	Small	CE
8005243	Medium	CE
8005244	Large	CE

The 3M™ Scott™ AV-3000 HT is a high-performance face mask made of innovative materials which have been engineered to provide enhanced thermal durability and improved wearer safety in extreme conditions.



3M™ Scott™ Flite COV Supplied Air Respirator

Product #:	Description	Regulation/Standard
2031078	Flite COV with with Foster/Hansen mil spec coupling airline supply hose	CE

The 3M™ Scott™ Flite COV (Change Over Valve) is a positive pressure supplied-air respirator that also provides emergency respiratory protection and escape capability. This allows the user to enter hazardous atmospheres including those identified as Immediately Dangerous to Life or Health (IDLH). Face mask and cylinder are ordered separately. Multiple cylinder pressures, durations, and airline connector options are available.



3M™ Scott™ ProPak-fx SCBA

Product #:	Regulation/Standard
2027195	CE

The 3M™ Scott™ ProPak-fx is a Type 2 open-circuit SCBA designed for user comfort and convenience. It provides an adjustable backplate with three height-adjustable settings, a hip pivot point which enables waist belt swivel movement and padded upper and lower harnesses, and large buckles for easy operation with gloved hands. It is suitable for professional fire fighting and for providing respiratory protection in any Immediately Dangerous to Life or Health (IDLH) environments.



3M™ Scott™ Modulair Airline Trolley

Product #:	Regulation/Standard
1051880	CE

The 3M™ Scott™ Modulair is a compact, easy to use airline trolley system designed to provide portable clean air in restricted access areas. Versatile and robust, it consists of a lightweight stainless steel hose reel unit and cylinder frame that can be used independently or together. The frame is designed to carry a pair of cylinders and where required an additional frame can be vertically stacked to allow connection of up to four cylinders. Multiple cylinder pressures, durations, and Modulair Airline Trolley configurations are available.

Respiratory Protection Solutions (continued)



3M™ Scott™ ELSA™ Emergency Escape Breathing Device - N

Product #:	Description	Regulation/Standard
8007213-D	ELSA EEBD 10 Min-N, Drained	NIOSH

The 3M™ Scott™ ELSA EEBD-N respirator is a cost-effective emergency escape breathing device designed for simple use, training and maintenance. The carry bag offers improved functionality while the redesigned hood fits all wearers.* This respirator helps enable workers to escape from toxic environments, even in certain atmospheres defined by regulation as Immediately Dangerous to Life or Health (IDLH).

*per Zhuang & Bradtmiller (2005): Head-and-Face Anthropometric Survey of U.S. Respirator Users



3M™ Scott™ ELSA Emergency Life Support Apparatus

Product #:	Description	Regulation/Standard
2009419	ELSA-15-B, 15min, steel, hood, empty	CE, MED

The 3M™ Scott™ ELSA (Emergency Life Support Apparatus) escape breathing apparatus provides 15-minutes of constant supply of air for rapid escape from hazardous industrial and marine environments. ELSA variants with 15-minute lighter weight carbon composite cylinder options is available. A black anti-static bag is also available for working in potentially explosive atmospheres.



3M™ Scott™ ELSA™ Muster Emergency Life Support Apparatus

Product #:	Description	Regulation/Standard
2009645	ELSA Muster, 15min, steel, facemask, Foster/Hansen mil spec, empty	CE

The 3M™ Scott™ ELSA Muster is a positive pressure emergency escape set that provides air on demand for situations where the escape route may require a lot of physical exertion or where the maximum levels of protection are required. It features an ancillary air-in attachment, a black anti-static bag, and is available with either a positive pressure Facemask or positive pressure Hood variants. Multiple cylinder pressures, durations, and coupling options for a wide range of muster station connections are available.



Hearing Protection and Communication Solutions

Noise – including from tools, nearby process equipment and vehicles – not only puts workers’ hearing at risk but can also be a major distraction during critical tasks. Help keep the volume down with hearing protection solutions from 3M, which include earplugs (disposable, reusable and electronic), earmuffs and headsets with integrated communications to help keep your workers protected and focused.



3M™ PELTOR™ Hard Hat Attached Electrically Insulated Earmuffs, X5P5E

Product #:	Attenuation Rating
X5P5E	31 dB NRR*
X5P5E	37 dB SNR**

3M™ PELTOR™ X5 Earmuffs are hearing protectors that offer exceptional performance – without the need for double protection. Offering the same premium features you expect from 3M Peltor X Series while providing protection from high noise environments.



3M™ PELTOR™ Hard Hat Attached Earmuffs, X4P5E

Product #:	Attenuation Rating
X4P5E	25 dB NRR*
X4P5E	32 dB SNR**

3M™ PELTOR™ X4 Earmuffs are our lightweight and slim hearing protectors with innovative foam earcup inserts and spacers to help boost attenuation and protect against low frequencies. Available as electrically insulated and resistant or ‘dielectric’ in A band and P5 helmet attached models.



3M™ PELTOR™ Hard Hat Attached Earmuffs, X2P3E

Product #:	Attenuation Rating
X2P3E	30 dB SNR**

3M™ PELTOR™ X2 Earmuffs are hearing protectors with a modern slim cup design. Available as headband and helmet attached. The headband model features an electrically insulated, twin headband that decreases heat build-up on top of the head. Depending on wearer preference or application need, the helmet attached versions are available as either dielectric electrically insulated or with robust metal arms.



3M™ Foam Earplugs 1100, Uncorded

Product #:	Attenuation Rating
1100	29 dB NRR*
1100	35 dB SNR**

3M™ 1100 Earplugs are made with soft foam and a tapered design to help provide a noise blocking seal. These earplugs are easy to roll down and insert, with the foam softening with body temperature to improve comfort over extended use. One size fits most.



3M™ PELTOR™ WS™ LiteCom PRO III EX Headset, Analog/Digital, Headband

Product #:	Regulation/Standard
MT73H7F4D10EU-50	CE, ATEX

3M™ PELTOR™ WS™ LiteCom Pro III headsets are our high-performance hearing protectors with an integrated, programmable analogue and digital radio, a sound level-dependent function for ambient listening, Bluetooth® multipoint functionality, rechargeable lithium-ion battery and external connection socket. Available with headband, neckband or helmet attachment.



3M™ PELTOR™ Twin Cup EX Headset, Hard Hat Attached

Product #:	Regulation/Standard
MT72H540P3E-50	CE, ATEX, ANSI

The 3M™ PELTOR™ Twin Cup Headset can enhance communication in noisy environments. Suitable for workplaces that require Ex/S certified designed approved equipment, where the workers need to be connected to their 2-way handheld or fixed systems throughout the day to help facilitate frequent contacts with co-workers.

*NRR labeled as per US EPA Regulation 40 CFR 211, tested in accordance with ANSI S3.19-1974.
**SNR tested to EN 352:2020

Eye Protection Solutions

3M™ Protective Eyewear and 3M™ Protective Goggles are designed to deliver comfort and performance, helping to keep workers safe. Featuring optional 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, which resists fog up to 11x longer than traditional 3M anti-fog coating, and proprietary 3M™ SecureFit™ Pressure Diffusion Temple technology that self-adjusts to the wearer’s head size and shape.



3M™ GoggleGear™ Protective Goggle 3000 Series

Product #:	Description	Regulation/Standard
GG3101-SGAF	3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens, PVC Shroud	ANSI
GG3301-SGAF	3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens, TVP Shroud	ANSI
GG3101-SGAF EU	3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens, PVC Shroud	CE
GG3301-SGAF EU	3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens, TVP Shroud	CE

3M™ GoggleGear™ Protective Goggle 3000 Series features a full-size design with wraparound lens for improved field of vision, and slotted nose bridge for a more comfortable fit. Features optimized shroud design to accommodate many prescription eyewear.



3M™ GoggleGear™ Protective Goggle 500 Series

Product #:	Description	Regulation/Standard
GG501SGAF	3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens	ANSI
GG501NSGAF	Neoprene Strap, 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens	ANSI
GG501SGAF-EU	3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens	CE
GG501NSGAF-EU	Neoprene Strap, 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens	CE

3M™ Goggle Gear™ Protective Goggle 500 Series features a low-profile design with an adjustable strap, indirect ventilation, and 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating.



Eye Protection Solutions (continued)



3M™ SecureFit™ Protective Eyewear 200 Series

Product #:	Description	Regulation/Standard
SF201AFP	3M™ Anti-Fog Plus Coating, Clear Lens	ANSI or CE
SF202AFP	3M™ Anti-Fog Plus Coating, Grey Lens	ANSI or CE

3M™ SecureFit™ 200 Series features proprietary self-adjusting 3M™ Pressure Diffusion Temple (PDT) Technology that helps provide a secure, snug fit, while not compromising comfort. They are available in various lens tints.



3M™ SecureFit™ Protective Eyewear 500 Series

Product #:	Description	Regulation/Standard
SF501SGAF-BLK	Black Temples, 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens	ANSI or CE
SF501SGAF-BLK-FM	Black Temples, 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens, Foam Gasket	ANSI or CE

3M™ SecureFit™ Protective Eyewear 500 Series features a contemporary lens design coupled with adjustable ratchet temples and proprietary Pressure Diffusion Temple (PDT) technology to help provide a more personalized fit.



3M™ Solus™ Protective Eyewear 1000 Series

Product #:	Description	Regulation/Standard
S1202SGAF	Green/Black Frame, 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Grey Lens	ANSI
S1201SGAF	Green/Black Frame, 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens	ANSI
S1202SGAF-EU	Green/Black Frame, 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Grey Lens	CE
S1201SGAF-EU	Green/Black Frame, 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens	CE

3M™ Solus™ Protective Eyewear 1000 Series feature a polycarbonate lens in a sporty, modern look. Our protective eyewear has 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, and can be configured in different ways because of the removable temples, strap, and gasket options. They are available in various lens tints.



3M™ Solus™ Protective Eyewear 2000 Series

Product #:	Description	Regulation/Standard
S2001SGAF-BGR-F	Grey/Blue-Green Temples, 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens, Foam Gasket	ANSI
S2001SGAF-BGR-F EU	Grey/Blue-Green Temple, 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, Clear Lens	CE
S2007SGAF-BGR	Grey/Blue-Green Temples, 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating, I/O Lens	ANSI or CE

3M™ Solus™ Protective Eyewear 2000 Series features a contemporary style with adjustable, padded ratchet temples and soft nose bridge for added comfort. Available with 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating and lens options, including readers.

Head Protection Solutions

We design and manufacture hard hats and accessories to meet a diverse spectrum of needs. From safety helmets for working at height, to full-brim hard hats and solutions for working in elevated temperatures, 3M offers consistently reliable products.



3M™ SecureFit™ Hard Hat H-700 Series

Product #:	Description	Regulation/Standard
H-701SFR-UV	White, 4-Point Pressure Diffusion Ratchet Suspension, with Uvicator	ANSI
H-704SFR-UV	Green, 4-Point Pressure Diffusion Ratchet Suspension, with Uvicator	ANSI



3M™ SecureFit™ Full Brim Hard Hat H-800 Series

Product #:	Description	Regulation/Standard
H-801SFR-UV	Full Brim, White, 4-Point Pressure Diffusion Ratchet Suspension, with Uvicator	ANSI
H-804SFR-UV	Full Brim, Green, 4-Point Pressure Diffusion Ratchet Suspension, with Uvicator	ANSI

The 3M™ SecureFit™ H-Series Hard Hats provide 3M innovation in comfort while maintaining traditional cap and full brim designs. The suspension system incorporates patented 3M™ SecureFit™ Pressure Diffusion Technology, which flexes and self-adjusts to the size of the wearer's head, adding comfort and reducing pressure on the forehead by 30%*. All models meet ANSI/ISEA-Z89.1-2014 standard. Both the traditional cap and full brim designs come in a variety of colors, vented or non-vented versions, and options for reflectivity.

*Average 30% reduction compared to previous generation 3M hard hats



3M™ Hard Hat G3000, Uvicator, Ratchet, Vented, Plastic Sweatband

Product #:	Description	Regulation/Standard
G3000NUV-V	Uvicator, Ratchet, Vented, Plastic Sweatband, White	CE
G3000NUV-GP	Uvicator, Ratchet, Vented, Plastic Sweatband, Green	CE

3M™ Series G3000 hard hat has been designed in close collaboration with industrial and forestry workers. It is intended for use in harsh environments with tough demands for effective protection, excellent ventilation and a maximum field of vision. The slim design means that falling objects slide off easily and do not dislodge the helmet from its position. Softly rounded design, without any sharp or protruding components, the extremely comfortable lining and the simple adjustment of fit makes the G3000 unique.

Available in a variety of colors and vented or non-vented versions.



3M™ SecureFit™ Safety Helmet X5000 Series

Product #:	Description	Regulation/Standard
X5001V-ANSI	White, Vented	ANSI
X5004V-ANSI	Green, Vented	ANSI
X5001VE-CE	White, Vented	CE
X5004VE-CE	Green, Vented	CE

The 3M™ SecureFit™ X5000 Safety Helmet provides 3M innovation in comfort, safety and design. If you wear a safety helmet for a full shift, you want it to be comfortable and fit properly. The 3M™ SecureFit™ Pressure Diffusion suspension system flexes and self-adjusts to the size of the wearer's head, reducing forehead pressure and increasing comfort for all-day wear. 3M's unique patented 4-point chin strap selector system makes it possible to change the break away force depending on if you want to meet the retention strength and retention/roll off clauses for EN12492 or have chin strap break free at lower forces to reduce potential strangulation hazards.

Welding Protection Solutions

3M Speedglas™ Welding Products are engineered to provide safety and performance, helping to protect workers in demanding environments. Featuring advanced 3M™ Speedglas™ Auto-Darkening Filter technology, which adjusts to changing light conditions for optimal visibility, and 3M™ Adflo™ Powered Air Respirator systems that deliver respiratory protection and comfort throughout the workday.



3M™ Speedglas™ G5-01 Welding Helmet with Welding Filter with 3M™ Adflo™

Product #:	Description	Regulation/Standard
G5-01/617830	3M™ Speedglas™ G5-01 Welding Helmet with 3M™ Adflo™ PAPR System, 617830	CE
G5-01/617820	3M™ Speedglas™ G5-01 Welding Helmet with Welding Filter G5-01/03TW with 3M™ Adflo™ PAPR System, 617820	CE

For workers in heavy duty environments, 3M™ Adflo™ Powered Air Purifying Respirator with Speedglas™ G5-01 Series Heavy-Duty Welding Helmet system provides High-Efficiency particulate respiratory protection for welders in a robust yet compact design with ergonomic, adjustable head suspension. Flip front welding shield allows for a clear, wide-view protective visor for grinding and setup. Audible and visual alarms signal low airflow and low battery charge. G5 Series storage/carry bag included.



3M™ Speedglas™ G5-03 E Welding Helmet with Welding Filter

Product #:	Description	Regulation/Standard
G5-03 E/631010	3M™ Speedglas™ G5-03 E Welding Helmet with Welding Filter G5-01/03NC, Natural Color Technology, 631010	CE

3M™ Speedglas™ G5-03 E Welding Helmet is a versatile, cost-effective welding helmet featuring Speedglas™ brand quality. This unique model in the G5-03 Series offers grinding and cutting modes and extended coverage, all in a slim form factor with low weight. The G5-03 E Welding Helmet is compatible with the 3M™ Speedglas™ Auto Darkening Welding Filters including Natural Color Technology (with G5-01/03NC), Variable Color Technology (with G5-01/03VC), and a Tack Welding Mode (with G5-01/03TW). The new optional 3M™ Speedglas™ task-light also allows you to see more of your work piece. For ease of flexibility onsite, many G5-series spare parts are also compatible with 3M™ Speedglas™ G5-01 Series. This allows you to hold less spare inventory; while retaining the flexibility you need to customize your equipment.



3M™ Speedglas™ G5-03 Pro Welding Helmet with Welding Filter

Product #:	Description	Regulation/Standard
G5-03/631830	3M™ Speedglas™ Welding Helmet G5-03 Pro with Welding Filter G5-01/03VC, 631830	CE
G5-03/631820	3M™ Speedglas™ Welding Helmet G5-03 Pro with Welding Filter G5-01/03TW, 631820	CE

3M™ Speedglas™ Welding Helmet, G5-03 Pro is specifically designed for the versatile welder. The helmet allows you to switch between welding and grinding tasks through our new Tap functionality. With highly customizable adjustment settings, including more control over how you see your weld pool and how you configure the helmet for additional protection against radiation, sparks and spatter, G5-03 Pro allows you to take control over your protection. Features 3M™ Speedglas™ Natural Color Technology, Variable Color Technology (with G5-01/03VC), and a Tack Welding Mode (with G5-01/03TW). The new optional Task Light also allows you to see more of your work piece. An optional helmet adapter system also enables the connection of a hard hat for welders requiring head protection.

Fall Protection Solutions

Working at heights requires comprehensive protection. 3M offers a wide range of personal fall arrest systems to help protect those working at heights, in addition to dropped objects protection for tools to help protect those working below.



3M™ DBI-SALA® ExoFit™ X200 Comfort Vest Safety Harness

Product #:	Size	Regulation/ Standard
1402020	Small	ANSI
1402021	Medium	ANSI
1402022	Large	ANSI
1402023	X-large	ANSI

The 3M™ DBI-SALA® ExoFit™ X200 is designed with high-quality components that have been developed to enhance the harnesses safety, fit, and functionality while working at height on your job site. The X200 comfort harness is built with 6,000lb polyester webbing, nylon/polyester hybrid comfort padding and robust alloy steel hardware. Dorsal D-ring connections are faster and easier with the stand-up back D-ring. The anti-slide back D-ring plate design helps reduce dorsal D-ring slide and enables a convenient adapter location for connecting personal SRLs. There are also locking torso-adjustment and quick-connect buckle options available to help your team maintain a safe and comfortable harness fit.



3M™ DBI-SALA® Nano-Lok™ Personal Twin-Leg Self Retracting Lifeline, Web Aluminum Rebar Hook, 3100553, Blue, 6 ft., Class 1, ANSI

Product #:	Regulation/ Standard
3100553	ANSI

3M™ DBI-SALA® Nano-Lok™ Self-Retracting Lifeline is lightweight with a compact design and industrial-strength durability. 3M™ DBI-SALA® Nano-Lok™ Self-Retracting Lifeline offers versatility for many different industrial applications.



3M™ DBI-SALA® Nano-Lok™ Edge Twin-Leg Personal Self Retracting Lifeline 3500277 Cable, Aluminum Rebar Lock Hook 8 ft. Class 2 ANSI

Product #:	Regulation/ Standard
3500277	ANSI

3M™ DBI-SALA® Nano-Lok™ Edge Self-Retracting Lifeline (SRL) is designed for ANSI Class 2 foot-level tie-off and leading edge applications - often found in construction. The SRL is ergonomically designed for ease of use and is ideal for direct connection to most harnesses.

3M™ DBI-SALA® Nano-Lok™ Edge Self-Retracting Lifeline's compact design is easily worn on the user's back and stays out of the way; it can also be used as a lanyard replacement. Whether the application requires single or twin leg configurations, mounting to an overhead anchor, or connection directly to a harness, there are numerous models to choose from to suit a variety of applications. 3M™ DBI-SALA® Nano-Lok™ Edge Self-Retracting Lifeline is designed to lock quickly stopping a fall within inches - providing more protection at low heights. In addition, tension is maintained on the lifeline, which helps reduce potential dragging and trip falls.



3M™ DBI-SALA® EZ-Line™ Retractable Horizontal Lifeline System 7605060, 1 EA

Product #:	Regulation/ Standard
7605060	OSHA

3M™ DBI-SALA® EZ-Line™ Retractable Horizontal Lifeline System is equipped with a built-in winch, tension, and impact indicators; the retractable design allows the user to quickly and efficiently set up any length of a system in moments and can be dismantled just as fast.



3M™ DBI-SALA® Hook2Hook Tether w/Swivel 1500159, 1 EA

Product #:	Regulation/ Standard
1500159	ANSI

3M™ DBI-SALA® Fall Protection for Tools Body Tethers are designed with functional features to enable workers to secure tools for working at height.



3M™ DBI-SALA® EZ-Stop™ 100% Tie-Off Shock Absorbing Lanyard 1246193, Yellow, 6 ft

Product #:	Regulation/ Standard
1246193	ANSI

3M™ DBI-SALA® Energy Absorbing Lanyards use a controlled tearing action when subjected to fall arrest forces. These lanyards feature a variety of webbing, and hardware options for multiple applications.

Fall Protection Solutions (continued)



3M™ DBI-SALA® Rollgliss™ R550 Oil and Gas Rescue and Descent Device Kit with Rescue Wheel 3300005, Kernmantle Rope, 200 ft

Product #:	Regulation/ Standard
3300005	OSHA

3M™ DBI-SALA® R550 Rescue System Oil & Gas; a compact & portable at height rescue system designed specifically for rescues from drilling and service rigs. The rescue system is comprised of various subcomponents that can be used to facilitate a rescue from most working locations on the structure. System content is organized and secured creating a simple to use organized Industrial Rescue System.



3M™ DBI-SALA® Sealed-Blok™ Self-Retracting Lifeline 3400173, Stainless Steel Cable, 175 ft

Product #:	Regulation/ Standard
3400173	OSHA

The 3M™ DBI-SALA® Sealed-Blok™ Self-Retracting Lifeline (SRL) incorporates a patented concept that helps separate components, such as the motor spring and brake, from foreign elements such as grease, moisture, and dirt. The 3M™ DBI-SALA® Sealed-Blok™ Self-Retracting Lifeline is IP-69K rated to provide protection against ingress of dust, high temperatures, and high pressure water, for use in extreme environmental conditions. These lifelines are available in Overhead, Retrieval, and RSQ/Rescue SRL configurations.



3M™ DBI-SALA® Confined Space Winch 8518560

Product #:	Regulation/ Standard
8518560	OSHA

The 3M™ DBI-SALA® Confined Space Winch maximizes efficiency and safety for challenging fall protection and confined space situations. Triple-redundant braking system includes three independent working pawls and a backup brake for added security. Used for various applications, this winch is the primary means of support for hoist system.



3M™ DBI-SALA® Confined Space 5-Piece Davit Hoist System 8518000

Product #:	Regulation/ Standard
8518000	OSHA

3M™ DBI-SALA® Confined Space 5-Piece Davit Hoist System is a system designed for manhole and confined space entry and retrieval applications. Built durable with lightweight materials including high-strength aluminum, the davit pivots for better rescue angles, and can easily adjust for overhead clearance restrictions.



3M™ DBI-SALA® Confined Space Pole Hoist System 8530252

Product #:	Regulation/ Standard
8530252	OSHA

The 3M™ DBI-SALA® Confined Space Pole Hoist System easily attaches with a carabiner to a secure anchor point, allowing workers in the field or on the roadway to work many directions from many angles. The unique swivel head allows for 360-degree rotation, allowing for easy entry into tight spaces. A quick-mount bracket allows for easy addition of a winch, and the built-in pulley is ready to work in any conditions. The hoist system is available in two lengths to accommodate different job demands.



3M™ DBI-SALA® Lad-Saf™ Cable Vertical Safety System 6118020, Galvanized Steel, 20 FT

Product #:	Regulation/ Standard
6118020	ANSI

Adding or upgrading your vertical safety systems just got easier. The new generation of 3M™ DBI-SALA® Lad-Saf™ Cable Vertical Safety System are re-engineered to simplify and speed up the installation process. With up to 72% fewer loose components* than some of our previous models, these lightweight systems are streamlined for easy installation and maintenance on a variety of structures — such as fixed ladders and telecommunication towers. They have also been designed to meet the requirements of the ANSI Z359.16 standard when used with our Lad-Saf X2 (6160030) or X3 (6160054) sleeve, helping you to stay in compliance with the current fall protection standards.



3M™ Spill Control Safe Bucket with Hook and Loop Closure 1500140, 250 lb Capacity, Vinyl, 12.5 in dia x 15 in

Product #:	Regulation/ Standard
1500140	OSHA

3M™ DBI-SALA® Fall Protection for Tools Buckets and Pouches are designed with functional features to enable workers to secure tools and accessories while working at height.

Validate your protection

Fit testing (or fit validation) is a procedure to help verify the PPE selected is providing the expected level of protection. Fit can have a significant impact on protection, therefore, fit testing is a best practice and often is required by standards and regulations.

There are many factors that affect how well PPE fits the individual wearer, including size and shape of the wearer and other equipment or clothing worn at the same time.

3M has resources that can help you test and validate fit for a variety of PPE:



Respiratory fit testing

A respirator needs to fit and seal to a wearer's face. Otherwise, contaminated air can pass around the respirator and into the wearer's breathing zone.

Applies to all tight-fitting respirators, including:

- ▶ Filtering facepiece particulate respirators
- ▶ Half and full-facepiece respirators fitted with filters and/or cartridges
- ▶ Tight-fitting facepieces connected to powered or supplied air turbo units or used with breathing apparatus

3M.com/respiratorfit



Hearing fit testing

If earplugs or earmuffs do not fit the wearer's ear canal or head well, external noise may penetrate the inner ear, which can lead to noise-induced hearing loss.

Applies to:

- ▶ Earplugs
- ▶ Earmuffs
- ▶ Electronic earplugs and headsets

3M.com/EARfit



Eyewear fit validation

Eye protection needs to provide a good field of view, security of fit, and good coverage with minimal gaps between eyewear and the wearer's face. Safety goggles should be tight fitting without any gaps. The eyewear fit validation system from 3M is intended for standard safety glasses.

Applies to all protective eyewear, protective goggles and some visors:

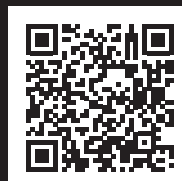
- ▶ Protective eyewear
- ▶ Protective goggles

[Ask about the 3M™ Eyewear Fit System](#)



Fit testing at your fingertips

Help fit testers and wearers follow the exact fit test protocol at every step of the process with the tap of a button.



For advice and support implementing a fit testing program, please contact your local 3M representative.

Training

When it comes to protecting your work site, we deliver. At 3M Safety Training, we understand workers' lives are on the line every day, but ensuring their safety starts long before the job begins. We have one ultimate goal: to provide the very best training to help all your workers go home safely every day.

Based on more than 50 years of expertise and jobsite implementation around the globe, we are perfectly positioned to provide training in confined spaces and working at height. Invest in 3M Safety Training and be confident that your colleagues will receive their training from a truly expert team.

3M's Long History of Training and Education

Teaching and educating
on PPE since the

1970's

Years training on
fall protection

20+

We deliver superior courses based on standard curriculum or custom programs specific to your jobsite needs at:

- ▶ 3M Safety Training center
- ▶ Your site location
- ▶ Using e-Learning modules
- ▶ Complemented with demonstration vehicle and confined space trailer

e-learning powered by 3M. You decide when and where.

- ▶ Anywhere, anytime
- ▶ Maximum flexibility
- ▶ No sending your team off-site
- ▶ No travel expenses
- ▶ Designed for all devices

3M Safety Training offers you a comprehensive suite of functional, professional and state-of-the-art fall protection training courses. Our immersive courses allow your teams to prepare for the diverse demands of their jobs, alone or in a team. Practical training components can be completed at one of our training centers or in your own work environment. The choice is yours.



Hearing Protection

WARNING

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury. For correct use, consult supervisor and User Instructions, or call 3M PSD Technical Service in the USA at 1-800-665-2942 (Communications) and 1-800-243-4630 (Hearing).

WARNING

U.S. EPA specifies the NRR as the measure of hearing protector noise reduction. However, 3M makes no warranties as to the suitability of the NRR for this purpose. 3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations and guidance on how to adjust attenuation label values. It is recommended that the NRR be reduced by 50% to better estimate typical protection.

Eye Protection

WARNING

These eye or face protection products help provide limited eye and face protection. Misuse or failure to follow warnings and instructions may result in serious potential injury, including blindness or death. For proper use, selection and applications against flying particles, optical radiation and/or splash see supervisor, read User Instructions and warning on the package or call 3M PSD Technical Service in the USA at 1-800-243-4630. In Canada, call 1-800-267-4414. 3M PSD products are for occupational use only.

Head Protection

WARNING

3M Head and Face Products 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 Personal Safety Division Technical Assistance at 800-243-4630.

Fall Protection

WARNING

Compliant fall protection and emergency rescue systems help prevent serious injuries associated with fall events. Users must read and understand the User Instructions provided with the product, and must be properly trained by their employers in the safe use of these systems before using them, per OSHA 1910.140 and 1926.503 or applicable local standards. Misuse or failure to follow warnings and instructions may result in serious personal injury or death. For proper use, see supervisor, User Instructions, or call 800-328-6146 (Opt. 1).

Respiratory Protection

WARNING

These respirators help to protect against certain airborne contaminants. Before use, the wearer must read and understand the User Instructions provided as part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of applicable jurisdiction, as appropriate. Improper use may result in sickness or death. For correct use, see supervisor and User Instructions, or call 3M PSD Technical Service in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.

Welding Safety

WARNING

This product is designed to help protect the wearer's eyes and face from harmful radiation including visible light, ultra-violet radiation (UV), infra-red radiation (IR), sparks and spatter resulting from welding processes. These products must be used only by qualified persons who are properly trained in their use and maintenance. Misuse may result in permanent eye injury and vision loss. Always wear ANSI Z87.1 compliant safety spectacles in addition to any welding helmet. For correct use, see supervisor and User Instructions, or call 3M PSD Technical Service in U.S.A. at 1-800-243-4630 and in Canada at 1-800-267-4414.

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable national and/or European regulations and standards. Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty: Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.

For industrial/occupational use only. Not for consumer sale or use.



Personal Safety Division

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