

3M Science.
Applied to Life.™

3M™ Personal Protective Equipment Solutions

for Turnaround Maintenance in Oil &
Gas and Chemical Processing Industries



Help enhance worker safety at every turn.

Turnaround Maintenance (TAM) projects are an essential part of your plant's operations and have the potential to increase the risk of unexpected events and hazardous exposures.

With all the specialized turnaround maintenance tasks across the different production units at a plant, how can you help protect an expanded workforce from a variety of hazards on the job? By choosing a trusted supplier of personal protective equipment backed by science and industry expertise.

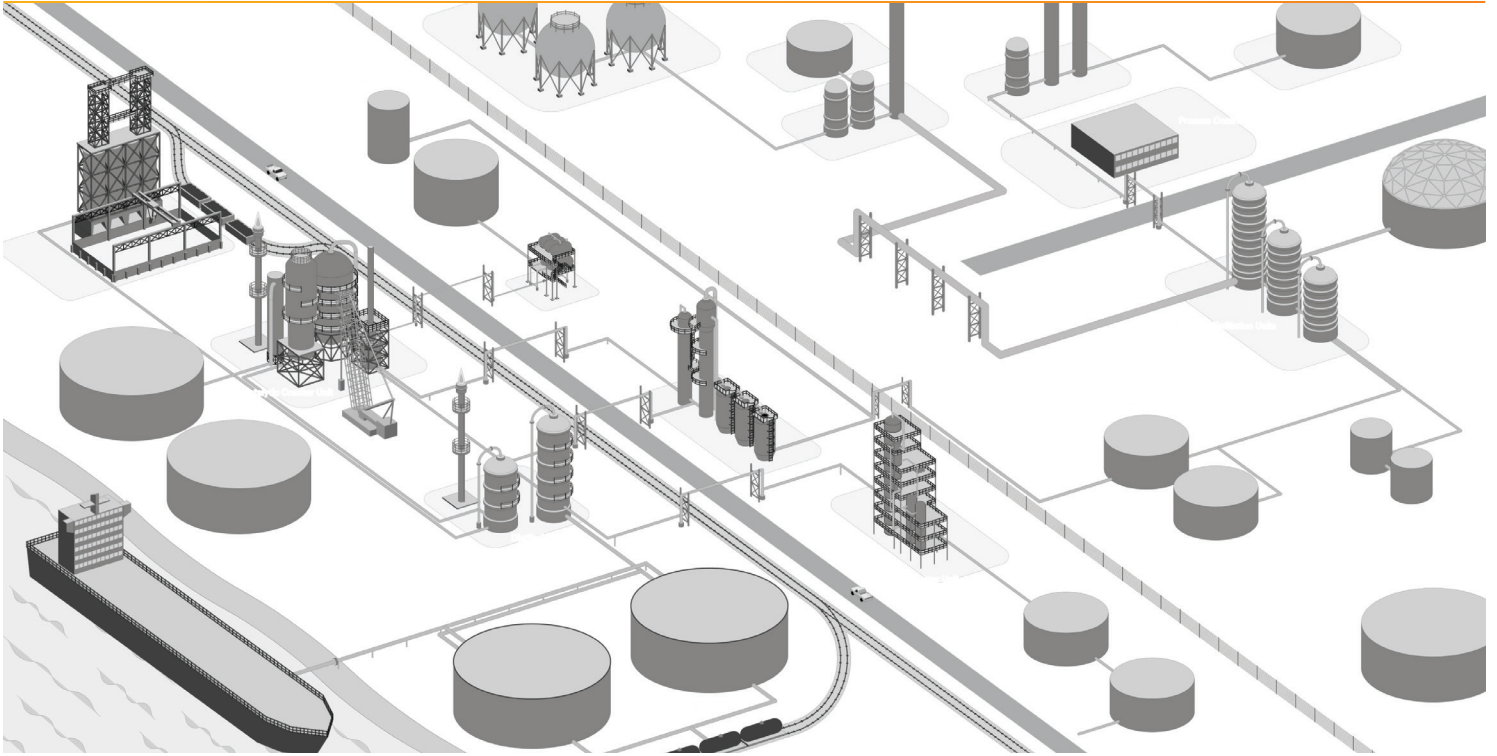
3M is dedicated to delivering comfortable, well-designed personal protective equipment (PPE) that offers your workers effective personal protective solutions.

3M Personal Protective Equipment Solutions

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



Potential Hazards



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.



Confined Space

(i.e. Entry/Fall Arrest/Retrieval & Rescue)

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.



Working at Heights

A worker is considered “working at heights” if the person is working at elevations of 4 ft/1.2 m or greater for general industry workplaces, 6 ft/1.8 m or greater for construction industry, and 8 ft/2.4 m in longshoring operations.* This includes working on a ladder, on scaffolding, on aerial lifts or mobile elevating work platforms, near or in pipe racks, on flat or sloped roofs, near an edge or an opening in a floor or wall.

[*Fall Protection - Overview | Occupational Safety and Health Administration \(osha.gov\)](https://www.osha.gov)



Flying, Falling Objects or Liquid Splash

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.



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

























At 3M, we have service down to a science.

- Innovative technologies
- Industry knowledge & hazard awareness
- Regulatory & standards knowledge
- Training centers & online education courses
- Authorized service & repair centers
- Broad channel/reseller network

Potential 3M Personal Protective Equipment Solutions

Turnaround Maintenance (TAM) in Oil & Gas and Chemical Processing Industries

| Potential Hazards* | Chemical Exposures (includes airborne particulates, gases & vapors) | ✓ | ✓ | ✓ | ✓ |
|--|--|---|---|---|---|
| | Flying Objects | | ✓ | ✓ | ✓ |
| Falling Objects | | | | ✓ | ✓ |
| UV IR VIS Light | | | | | ✓ |
| Service & Resources | Disposable Respirators | Reusable Respirators | Powered Air Purifying Respirators | | |
| <p>3M™ Center for Respiratory Protection</p> <p>Step-by-step tools to help you ensure your safety programs achieve their respiratory safety goals.</p> <p>3M™ Select & Service Life Software</p>  <p>The free 3M™ Select and Service Life Software can help make selecting the appropriate respirators faster and easier. The software can also help you estimate the service life of 3M™ Respirator Cartridges, which aid in maintaining your cartridge change schedule for gas and vapor cartridges.</p> <p>3M™ Wear It Right App</p>  <p>Download App: Apple Store Google/Android Store</p> <p>Make the task of qualitative fit testing less tedious with the tap of a button. Test both reusable and disposable respirator wearers and perform up to five fit tests at one time.</p> |  <p>3M™ Particulate Respirator 8511, N95</p> <p>3M Part #: 8511</p>  <p>3M™ Aura™ Particulate Respirator 9211+, N95</p> <p>3M Part #: 9211+</p> <p>Reusable Respirators</p>  <p>3M™ Rugged Comfort Quick Latch Half Facepiece Reusable Respirators 6500 Series</p> <p>3M Part #: 6501QL (Small) 6502QL (Med) 6503QL (Large)</p>  <p>3M™ Half Facepiece Reusable Respirator 6000 Series</p> <p>3M Part #: 6100 (Small) 6200 (Med) 6300 (Large)</p>  <p>3M™ Particulate Filter 2000 Series 3M Part # (partial list): 2091 (P100) 2097 (P100 Nuisance Level Organic Vapor)</p>  <p>3M™ Advanced Particulate Filter 2200 Series 3M Part # (partial list): 2291 (P100) 2297 (P100 Nuisance Level Organic Vapor)</p>  <p>3M™ 6000 Series Chemical Cartridges 3M Part # (partial list): 6001 (Organic Vapor) 6003 (Organic Vapor/Acid Gas) 6006 (Multi-Gas/Vapor)</p>  <p>3M™ 6000 Series Combo Chemical Cartridge/P100 Filter 3M Part # (partial list): 60921 (Organic Vapor/P100) 60923 (Organic Vapor/Acid Gas/P100) 60926 (Multi Gas/Vapor/P100)</p> |  <p>3M™ Full Facepiece Reusable Respirator 6000 Series</p> <p>3M Part #: 6700 (Small) 6800 (Med) 6900 (Large)</p>  <p>3M™ Scott™ AV 3000 SureSeal Full Facepiece¹</p> <p>3M Part #: 805774-81 (Small) 805774-82 (Med) 805774-83 (Large)</p>  <p>3M™ Scott™ Bayonet Adapter</p> <p>3M Part #: AV-632</p> |  <p>3M™ Versaflo™ Respiratory M-Series Helmet Assembly with Premium Visor and Flame-Resistant Shroud²</p> <p>3M Part #: M-407</p> <p>Other assemblies available of the 3M™ M-Series PAPR Helmet</p>  <p>3M™ Versaflo™ IS PAPR TR-800^{4,5,6}</p> |  <p>3M™ Versaflo™ Respiratory M-Series Helmet Assembly with Flame-Resistant Shroud and Speedglas™ Welding Shield^{2,3}</p> <p>3M Part #: M-407SG (Nomax[®] shroud) M-409SG (Leather shroud)</p>  <p>3M™ Speedglas™ 9100XXi Auto Darkening Filter</p> <p>3M Part #: 06-0000-30i</p>  <p>3M™ Versaflo™ PAPR TR-600^{4,5,6}</p> <p>3M™ Versaflo™ High Efficiency Filters/Chemical Cartridges for TR-600 & TR-800</p>  <p>3M Part # (partial list): TR-6510N (Organic Vapor/HE) TR-6530N (Organic Vapor/Acid Gas/HE)</p>  <p>3M™ Adflo™ PAPR Turbo Assembly^{4,6}</p> <p>3M Part #: 35-5401-01</p>  <p>3M™ Adflo™ High Efficiency Particulate Filter</p> <p>3M Part #: 15-0299-99X02</p>  <p>3M™ Adflo™ Cartridge Organic Vapor/Acid Gas</p> <p>3M Part #: 15-0499-99X02</p> | |

* Customer responsible for determining appropriate PPE based on occupational workplace hazard and risk assessment. See Product Selection and Use on page 12.

¹ Requires [3M™ Scott™ AV-632 Bayonet Adapter](#) when using with 3M™ 6000 Series Cartridges or 3M™ Particulate Filter 2000 Series. Adapter sold separately.

² See [Technical Bulletin "Assigned Protection Factors \(APF\) for 3M™ Hoods and Helmets"](#) for configurations of 3M™ PAPRs & helmets for US OSHA APF of 1000.

³ Auto-Darkening Filter (ADF) sold separately

⁴ Metal spark arrestor/prefilter must be used during hot work molten metal or spark creating operations.

⁵ The [3M™ Versaflo™ Spark Arrestor TR-663](#) is sold separately for the 3M™ PAPRs TR-600 and TR-800.

⁶ High efficiency (HE) particulate filter or gas/vapor chemical cartridges breathing hoses accessories and replacement parts sold separately.

Potential 3M Personal Protective Equipment Solutions

Turnaround Maintenance (TAM) in Oil & Gas and Chemical Processing Industries

| | | | | |
|--------------------|---|--|---|-----------------------------------|
| Potential Hazards* | Chemical Exposures <i>(includes airborne particulates, gases & vapors)</i> | ✓ | ✓ | ✓ |
| | Flying Objects | ✓ | | |
| | Falling Objects | | | |
| | UV IR VIS Light | | ✓ | |
| | Services & Resources | Pressure Demand Supplied-Air Respirators (SAR) & Self-Contained Breathing Apparatus (SCBA) | | Emergency Escape Breathing Device |

[3M™ Scott™ Service Technical Training](#)

3M Scott offers service learning and training options. The learning environment is hands-on with limited class sizes to encourage dynamic discussion.

[Scott Safety Product Advisor](#)

Use this tool to help configure the right device, cylinder, and facepiece for your specific needs.



[3M™ Scott™ AV 3000 SureSeal Full Facepiece¹](#)

3M Part # (polyester head harness):
805774-81 (Small)
805774-82 (Med)
805774-83 (Large)



[3M™ Scott™ Weld-O-Vista Facepiece²](#)

3M Part #:
805438-01 (Small)
805438-02 (Large)
805438-03 (X Large)



[3M™ Scott™ ELSA Emergency Escape Breathing Device](#)

3M Part #:
8007212 (5 min)
8007213 (10 min)



[3M™ Scott™ Ska-Pak AT Supplied-Air Respirator](#)

[See Product Flyer for Part Number Configuration](#)



[3M™ Scott™ Ska-Pak Plus Supplied-Air Respirator](#)

[See Product Flyer for Part Number Configuration](#)



[3M™ Scott™ Ska-Pak Supplied-Air Respirator](#)

[See Product Flyer for Part Number Configuration](#)



[3M™ Scott™ Industrial SCBA \(ISCBA\)](#)

[See Product Flyer for Part Number Configuration](#)



[3M™ Scott™ Air-Pak 75i SCBA](#)

[See Product Flyer for Part Number Configuration](#)



[3M™ Scott™ Mobile Air Cart](#) (cylinders sold separately)

3M Part #:
805826-01 (4-outlet with Hansen Fittings)
805827-01 (4-outlet with 2-Tool Outlet, Hansen Fittings)

[Other configurations available](#)

Additional Configuration Options:

3M™ Scott™ Ska-Pak AT or Ska-Pak Plus Supplied-Air Respirator integrated with 3M™ DBI-SALA® ExoFit™ Series X100 Full-Body Harness³

[See Product Flyer for Full Body Harness Part Number](#)



*Customer responsible for determining appropriate PPE based on occupational workplace hazard and risk assessment. See Product Selection and Use on page 12.

¹ Requires [3M™ Scott™ AV-632 Bayonet Adapter](#) when using with 3M™ 6000 Series Cartridges or 3M™ Particulate Filter 2000 Series. Adapter sold separately.

² NIOSH-Approved with select 3M Scott SCBAs & SARs. Standard 2" x 4 1/4" passive welding filter not included.

³ The 3M™ Scott™ Integrated Full Body Harness may be ordered as a configured option on the 3M™ Scott™ Ska-Pak AT and 3M™ Scott™ Ska-Pak Plus Supplied-Air Respirator models.

Potential 3M Personal Protective Equipment Solutions

Turnaround Maintenance (TAM) in Oil & Gas and Chemical Processing Industries











| Potential Hazards* | Working at Heights | ✓ | ✓ | ✓ | ✓ |
|--|--|---|--|---|---|
| | Confined Space | ✓ | ✓ | | |
| Services & Resources | Body Harnesses | | Personal Self-Retracting Lifelines | | |
| <p>3M™ Fall Protection Configurator</p>  <p>Download App: Apple Store Google/Android Store</p> <p>The 3M Fall Protection Configurator harnesses the power of augmented reality to help you configure and visualize 3M Confined Space solutions directly in your work environment, right from your mobile device.</p> <p>Fall Protection Trucks: Arrange a Demo Request</p> <p>3M fleet of specialized vehicles can bring on-site, hands-on fall protection demonstrations to your workforce. It provides an excellent introduction to fall protection.</p> <p>Online or In-Person Safety Training & Education</p> <p>3M Safety Training offers a variety of classes and services to meet your needs. Our full range of fall protection, confined space and rescue training courses are offered at our state-of-the-art training centers throughout the year. We also offer all safety training classes on-site, customized to the unique environment of your facility.</p> <p>Fall Protection Service & Repair Find a 3M™ Fall Protection Service & Repair Center</p> <p>3M Fall Protection offers inspection, repair maintenance, and yearly certification for DBI-SALA® and Protecta® brand products.</p> <p>3M offers two repair options: Factory Repair or Authorized Service Center Repair.</p> <p>See 3M Fall Protection for full offering of body harnesses and self-retracting lifelines.</p> |  <p>3M™ DBI-SALA® ExoFit™ X300 Safety Harness¹</p> <p>3M Part #: 1113031 (S) 1113034 (M) 1113037 (L) 1113040 (XL)</p>  <p>3M™ DBI-SALA® ExoFit™ X200 Safety Harness¹</p> <p>3M Part #: 1402035 (S) 1402036 (M) 1402037 (L) 1402038 (XL)</p>  <p>3M™ DBI-SALA® ExoFit™ X100 Safety Harness¹</p> <p>3M Part #: 1401035 (S) 1401036 (M) 1401037 (L) 1401038 (XL)</p>  <p>3M™ DBI-SALA® Delta™ Vest Style Welder's Harness</p> <p>3M Part #: 1104632 (S) 1104628 (XL) 1104627 (2XL) 1104625 (Universal)</p> |  <p>3M™ DBI-SALA® ExoFit™ X50 Vest Safety Harness¹</p> <p>3M Part #: 1600042M (S) 1600043M (M/L) 1600044M (XL)</p>  <p>3M™ DBI-SALA® ExoFit™ X300 X-Style Climbing Vest Harness</p> <p>3M Part #: 1043238 (3XS/2XS) 1043201 (XS/S) 1403202 (M/L) 1403203 (XL/2XL)</p>  <p>3M™ Protecta® P200 Vest Style Safety Harness</p> <p>3M Part #: 1161570 (S) 1161571 (M/L) 1161572 (XL) 1161573 (2XL)</p>  <p>3M™ Protecta® P200 Hot Work Vest Safety Harness</p> <p>3M Part #: 1191369 (S) 1191379 (M/L) 1191380 (XL)</p> |  <p>3M™ DBI-SALA® Nano-Lok™ Edge Twin-Leg Tie-Back Personal Self-Retracting Lifeline (9 ft/2.74 m), Class 2, ANSI</p> <p>3M Part #: 3500287</p>  <p>3M™ DBI-SALA® Nano-Lok™ Edge Twin-Leg Personal Self-Retracting Lifeline (7.3 ft/2.2 m), Class 2, ANSI</p> <p>3M Part #: 3500278</p>  <p>3M™ DBI-SALA® Nano-Lok™ Twin-Leg Hot Work Personal Self-Retracting Lifeline (6 ft/1.83 m), Class 1, ANSI</p> <p>3M Part #: 3100571</p>  <p>3M™ DBI-SALA® Nano-Lok™ Arc Flash Twin-Leg Personal Self-Retracting Lifeline (8 ft/2.4 m)</p> <p>3M Part #: 3100588</p> |  <p>3M™ DBI-SALA® Nano-Lok™ Edge Personal Self-Retracting Lifeline (9 ft/2.74 m), Class 2, ANSI</p> <p>3M Part #: 3500297</p>  <p>3M™ DBI-SALA® Nano-Lok™ Edge Personal Self-Retracting Lifeline (8 ft/2.4 m), Class 2, ANSI</p> <p>3M Part #: 3500288</p>  <p>3M™ DBI-SALA® Nano-Lok™ Hot Work Personal Self-Retracting Lifeline (6 ft/1.83 m), Class 1, ANSI</p> <p>3M Part #: 3100561</p>  <p>3M™ DBI-SALA® Nano-Lok™ Arc Flash Personal Self-Retracting Lifeline (8 ft/2.4 m)</p> <p>3M Part #: 3100579</p> | |

*Customer responsible for determining appropriate PPE based on occupational workplace hazard and risk assessment. See Product Selection and Use on page 12.

¹ Available harness style with shoulder D-rings for rescue/retrieval applications, including confined space.

Potential 3M Personal Protective Equipment Solutions

Turnaround Maintenance (TAM) in Oil & Gas and Chemical Processing Industries

| Potential Hazards* | Working at Heights | ✓ | | ✓ |
|---|--|--|---|---|
| | Confined Space | ✓ | | ✓ |
| Falling Objects | | | ✓ | ✓ |
| Services & Resources | Self-Retracting Lifelines | Vertical Entry Anchors | Fall Protection for Tools | |
| <p>3M™ Fall Protection Configurator</p>  <p>Download App: Apple Store Google/Android Store</p> <p>The 3M Fall Protection Configurator harnesses the power of augmented reality to help you configure and visualize 3M Confined Space solutions directly in your work environment, right from your mobile device.</p> <p>Fall Protection Trucks: Arrange a Demo Request</p> <p>3M fleet of specialized vehicles can bring on-site, hands-on fall protection demonstrations to your workforce. It provides an excellent introduction to fall protection.</p> <p>Online or In-Person Safety Training & Education</p> <p>3M Safety Training offers a variety of classes and services to meet your needs. Our full range of fall protection, confined space and rescue training courses are offered at our state-of-the-art training centers throughout the year. We also offer all safety training classes on-site, customized to the unique environment of your facility.</p> <p>Fall Protection Service & Repair Find a 3M™ Fall Protection Service & Repair Center</p> <p>3M Fall Protection offers inspection, repair maintenance, and yearly certification for DBI-SALA® brand products.</p> <p>3M offers two repair options: Factory Repair or Authorized Service Center Repair.</p> <p>See 3M Fall Protection for full offering of self-retracting lifelines, winches, confined space anchors and fall protection for tools.</p> |  <p>3M™ DBI-SALA® Sealed-Blok™ 3-Way Retrieval Self-Retracting Lifeline with Bracket, (50 ft/15.24 m), Class 1, ANSI</p> <p>3M Part #: 3400150</p>  <p>3M™ DBI-SALA® Smart Lock Self-Retracting Lifeline, 50 ft, Galvanized Cable, Class 1</p> <p>3M Part #: 3503878</p> |  <p>3M™ DBI-SALA® Confined Space Long Reach Davit System¹</p> <p>For configurable Davit System options, see Davit Arm Bases, Davit Arms & Masts, Davit Accessories</p>  <p>3M™ DBI-SALA® Confined Space Tripod²</p> <p>3M Part #: 8000140 (7 ft/2.1 m)</p> | <p>1500100</p>  <p>3M™ DBI-SALA® Fall Protection for Tools Holders</p> <p>3M Part #: 1500100 (Tape Measure Holster, Sleeve, Retractor) 1500088 (Radio /Cell Phone Holster)</p>  <p>3M™ DBI-SALA® Parts Pouches</p> <p>3M Part #: 1500119 (Small Parts Canvas Pouch, Black)</p> | |
| | Mechanical Winch | Horizontal Entry Anchors | | |
| |  <p>3M™ DBI-SALA® SALAlift™ II Winch</p> <p>3M Part #: 8102001 (galvanized steel, 60 ft/18 m) 8102003 (stainless steel, 60 ft/18 m) 8102011 (stainless steel, 90 ft/27 m) 8102007 (stainless steel, 120 ft/36 m)</p> |  <p>3M™ DBI-SALA® Confined Space Pole Hoist System²</p> <p>3M Part #: 8530252</p>  <p>3M™ DBI-SALA® Confined Space Integrated Tank Flange Davit Mast Base, Fits 18 - 36 Inch Diameter</p>  <p>3M™ DBI-SALA® EZ-Line™ Retractable Horizontal Lifeline System³</p> <p>3M Part #: 7605060</p> | <p>150048</p>  <p>3M™ DBI-SALA® Fall Protection for Tools Body Tethers</p> <p>3M Part #: 1500209 (Hook2Hook Bungee Tool Tether 15 lb capacity) 1500048 (Hook2Loop Bungee Tool Tether, 15 lb capacity) 1500051 (Hook2Loop Lanyard Tool Tether, 80 lb capacity)</p>  <p>3M™ DBI-SALA® Safe Bucket 250 lb Load Rated, Hook and Loop Closure, Vinyl</p> <p>3M Part #: 1500140</p> | |

*Customer responsible for determining appropriate PPE based on occupational workplace hazard and risk assessment. See Product Selection and Use on page 12.

¹ Davit arm base, davit arm & mast, mechanical winch, self-retracting lifeline device, and mounting bracket purchased separately.

² Mechanical winch self-retracting lifeline device purchased separately.

³ Order concrete or steel anchor plates or D-rings separately.

Potential 3M Personal Protective Equipment Solutions

Turnaround Maintenance (TAM) in Oil & Gas and Chemical Processing Industries

| Potential Hazards* | Noise Exposures | ✓ | ✓ | ✓ | |
|---|--|---|--|----------------------------|--|
| | Services & Resources | Disposable Foam Earplugs | Push-to-Fit Earplugs | Reusable Earplugs | |
| <p>3M™ Center for Hearing Conservation</p> <p>Tools and resources to help employers achieve their hearing conservation program goals.</p>  <p>3M™ E-A-Rfit™ Dual-Ear Validation System</p> <p>This system makes it easy to measure every employee's unique level of attenuation through hearing protection fit testing and helps you take the guesswork out of managing compliance in your hearing conservation program.</p> <p>See 3M™ Hearing Protection & Communications PPE for full offering of earplugs, earmuffs, and protective communications headsets.</p> | <p>312-1261</p>  <p>3M™ E-A-R soft™ FX Earplugs</p> <p>3M Part #: 312-1261 (uncorded, NRR 33 dB) 312-1260 (corded, NRR 33 dB)</p> | <p>318-1003</p>  <p>3M™ E-A-R™ Push-Ins™ Earplugs</p> <p>3M Part #: 318-1002 (uncorded, NRR 28 dB) 318-1003 (corded, NRR 28 dB)</p> | <p>340-4004</p>  <p>3M™ E-A-R™ UltraFit™ Earplugs</p> <p>3M Part #: 340-4003 (uncorded, NRR 25 dB) 340-4004 (corded, NRR 25 dB)</p> | | |
| | <p>311-1250</p>  <p>3M™ E-A-R soft™ Yellow Neons™ Earplugs</p> <p>3M Part #: 312-1250 (uncorded, NRR 33 dB) 311-1250 (corded, NRR 33 dB)</p> | <p>P2001</p>  <p>3M™ No-Touch™ Earplugs</p> <p>3M Part #: P2000 (uncorded, NRR 29 dB) P2001 (corded, NRR 29 dB)</p> | <p>P3001</p>  <p>3M™ Tri-Flange™ Earplugs</p> <p>3M Part #: P3001 (corded, NRR 26 dB)</p> | Electronic Earplugs | |
| | <p>310-1001</p>  <p>3M™ E-A-R™ Classic Earplugs</p> <p>3M Part #: 310-1001 (uncorded, pillow pack, NRR 29 dB) 311-1101 (corded, poly bag, NRR 29 dB)</p> | <p>311-1115</p>  <p>3M™ E-A-R™ EXPRESS™ Pod Plugs™ Earplugs</p> <p>3M Part #: 321-2200 (uncorded, NRR 25 dB) 311-1115 (corded, NRR 25 dB)</p> |  <p>3M™ PELTOR™ Electronic Earplug (Non IS)¹</p> <p>3M Part #: EEP-100</p> | | |
| <p>3M™ PELTOR™ brings you hearing protection that helps you hear and communicate in noisy environments. Click on the buttons below for product selection tools that will help you find your ideal solution.</p> <p>Headset Selector</p> <p>Adapter Selector</p> <p>Accessories Lookup</p> | Earmuffs | | Protective Communications Headsets | | |
| | <p>X1P3E</p>  <p>3M™ PELTOR™ X Series Hard Hat Attached Earmuffs</p> <p>3M Part #: X1P3E (NRR 21 dB) X4P3E (NRR 25 dB) X5P3E (NRR 31 dB)</p> | <p>HT52A-112-50</p>  <p>3M™ PELTOR™ CH-3 Listen Only Hearing Protector Headsets</p> <p>3M Part #: HT52A-112-50 (head band, NRR 26 dB, approved for IECEx, ATEX, CSA US, CSA C)</p> | <p>MT73H7P3E4D10NA-50</p>  <p>3M™ PELTOR™ WS™ LiteCom PRO III Headsets</p> <p>3M Part #: MT73H7P3E4D10NA-50 (hard hat attachment, intrinsically safe, NRR 25 dB)</p> | | |
| | <p>X4P5E</p>  <p>3M™ PELTOR™ X Series Hard Hat Attached, Electrically Insulated Earmuffs²</p> <p>3M Part #: X1P5E (NRR 21 dB) X4P5E (NRR 25 dB) X5P5E (NRR 31 dB)</p> | <p style="text-align: center;"></p>  <p>3M™ PELTOR™ FLX2 Cable</p> <p>3M Part #: FLX2-205-50</p> | <p>MT73H7F4D10NA-50 (head band, intrinsically safe, NRR 27 dB)</p> <p>MT73H7B4D10NA-50 (neck band, intrinsically safe, NRR 28 dB)</p> | | |
| |  <p>3M™ PELTOR™ Welding Earmuff, Behind the Head</p> <p>3M Part #: H505B (NRR 17 dB)</p> | | | | |










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¹ 3M™ in-ear communication EEP-100 and LEP-200 products are not Intrinsically Safe (IS). Intrinsic Safety (IS) may or may not be applicable to work site and would be defined by a site.

² 3M™ PELTOR™ X Series Hard Hat Attached, Electrically Insulated Earmuffs (XP5E models) are compatible and tested for use with 3M™ SecureFit™ Full Brim Hard Hat H-800 Series and 3M™ SecureFit™ Hard Hat H-700 Series. Not tested for use with the 3M™ SecureFit™ Safety Helmet X5000 Series.

Potential 3M Personal Protective Equipment Solutions

Turnaround Maintenance (TAM) in Oil & Gas and Chemical Processing Industries

| Potential Hazards* | | | | |
|--|---|---|---|---|
| | Flying Objects | ✓ | ✓ | ✓ |
| Liquid Splash | | | ✓ | ✓ |
| UV IR VIS Light | | | | |
| Services & Resources | Eye Protection | | | |
| Learn about the 3M™ Eye Protection Fit System  |  SF407XSGAF-BLU  3M™ SecureFit™ 400 Series Safety Glasses 3M Part #: SF401XSGAF-BLU (clear lens, blue frame) SF401SGAF-BLU-F (clear lens, foam gasket, blue frame) SF407XSGAF-BLU (I/O gray lens, blue frame) |  S1201SGAF-TKT  3M™ Solus™ 1000 Series Safety Glasses 3M Part #: S1201SGAF (clear lens, green/black frame) S1207SGAF (gray lens, green/black frame) 3M Part #: S1201SGAF-TKT (clear lens, TPE gasket, strap, green/black frame) S1207SGAF-TKT (I/O gray lens, TPE gasket, strap, green/black frame) |  GG501NSGAF  3M™ GoggleGear™ 500 Series Safety Goggles 3M Part #: GG501NSGAF (clear lens, neoprene strap) GG500-PI (prescription insert)  GG3101a-SGAF  3M™ GoggleGear™ Protective Goggle 3000 Series 3M Part #: GG3101a-SGAF (clear lens, neoprene strap) | |



3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating

- Resists fog 11x longer and has 7x better anti-scratch performance than traditional 3M anti-fog coatings.
- 3x thicker than traditional 3M™ Anti-Fog Coating, Scotchgard™ Anti-Fog Coating's active ingredient is bonded to the lens, increasing durability, up to 25 washings with water, without losing performance.^{1,2}
















*Customer responsible for determining appropriate PPE based on occupational workplace hazard and risk assessment. See Product Selection and Use on page 12.

¹Based on 3M internal testing per EN168 test method when compared to traditional 3M anti-fog coatings.

²Based on 3M internal testing of tap water wash cycles followed by anti-fog testing per EN168 test method.

Potential 3M Personal Protective Equipment Solutions

Turnaround Maintenance (TAM) in Oil & Gas and Chemical Processing Industries

| Potential Hazards* | Service & Resources | Face Protection | Safety Helmet | Hard Hats | Welding Helmets |
|--------------------|--|--|---|---|---|
| Flying Objects | | ✓ | ✓ | | ✓ |
| Liquid Splash | | ✓ | | | |
| Falling Objects | | | ✓ | ✓ | ✓ |
| UV IR VIS Light | | | | | ✓ |
| | <p>3M™ Custom Hard Hats Logo & Reflective Program</p> <p>Advertise your company's logo or tagline on custom hard hats with the 3M Hard Hat Customizer Program.</p> <p>Additionally, the 3M Hard Hat Customizer site makes it easy to add 3M™ Scotchlite™ Reflective Material striping to your hard hats to help increase worker visibility.</p> <p>See 3M™ Welding Protection for full offering of welding PPE solutions.</p> <p>3M™ Connected Equipment</p>  <p>Download App: Apple Store Google/Android Store</p> <p>Make the most out of your connected 3M product and start to use the 3M Connected Equipment app. This mobile app helps you intuitively interact with your 3M™ PELTOR™ or 3M™ Speedglas™ product.</p> |  <p>W Series Faceshields and Visors</p> <p>3M Part #: 82600-00000 (clear polycarbonate)</p>   <p>3M™ Universal Headgear for Hard Hat H24M</p> <p>3M Part #: 82520-10000 (hard hat & faceshield sold separately)</p> |  <p>3M™ SecureFit™ Safety Helmet X5000 Series (includes Uvicator™)</p> <p>3M Part #: X5001-ANSI (white, non-vented)</p> <p>X5014-ANSI (hi-viz green, non-vented)</p> <p>X5001V-ANSI (white, vented)</p> <p>X5014V-ANSI (hi-viz green, vented)</p> | <p>H-801SFR-UV</p>  <p>3M™ SecureFit™ Hard Hat H-800 Series (includes Uvicator™)</p> <p>3M Part #: H-801SFR-UV (white, non-vented)</p> <p>H-801SFV-UV (white, vented)</p>  <p>H-701SFR-UV</p> <p>3M™ SecureFit™ Hard Hat H-700 Series (includes Uvicator™)</p> <p>3M Part #: H-701SFR-UV (white, non-vented)</p> <p>H-701SFV-UV (white, vented)</p> |  <p>3M™ Speedglas™ G5-03 Pro Welding Helmet with Safety Helmet</p> <p>3M Part #: 10-0100-00SH (ADF lens & task light accessory sold separately)</p>  <p>3M™ Speedglas™ G5-03 Pro Welding Helmet with Hard Hat</p> <p>3M Part #: 10-0100-00HH (ADF lens & task light accessory sold separately)</p>   <p>3M™ Speedglas™ G5 Series ADFs</p> <p>3M Part #: 46-0000-30TW 46-0000-30VC 46-0000-20 46-0000-P10</p>  <p>3M™ Speedglas™ G5-01 Task Light Kit, including Light, Protection Plate, and Cables</p> <p>3M Part #: 46-0500-01</p> |
| | | | Safety helmets and hard hats available in other color options. | | |
| Liquid Splash | | | ✓ | | |
| Chemical Exposures | | | ✓ | | |
| | | Protective Coveralls | | | |
| | |  <p>3M™ Protective Coverall 4570</p> <p>3M Part #: (available in other sizes) 4570-M 4570-L</p> | | | |
| | |  <p>3M™ Protective Coverall 4530</p> <p>3M Part #: (available in other sizes) 4530-L 4530-XL</p> | | | |
| | |  <p>3M™ Protective Coverall 4520</p> <p>3M Part #: (available in other sizes) 4520-L 4520-XL</p> | | | |

*Customer responsible for determining appropriate PPE based on occupational workplace hazard and risk assessment. See Product Selection and Use on page 12.

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.

▲ 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 or 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.

Coveralls

Final determination as to the suitability of these products for a particular situation is the employer's responsibility. This information is subject to revision at any time. Always read and follow all User Instructions supplied with your 3M™ Protective Coveralls in order to ensure correct operation. If you have any questions, contact 3M Technical Service.

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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Customer Service 1-800-328-1667
Web [3M.com/workersafety](https://www.3m.com/workersafety)

3M, Adflo, DBI-SALA, Delta, E-A-Rfit, E-A-Rsoft, Exofit, EXPRESS, EZ-Line, GoggleGear, Nano-Lok, Nomax, No-Touch, PELTOR, Pod Plugs, Protecta, Push-Ins, Scotchgard, Scott, Sealed-Blok, SecureFit, Solus, Speedglas, Tri-Flange, UltraFit, Uvicator, Versaflo, WS and Yellow Neons are trademarks of 3M. Used under license by 3M subsidiaries and affiliates. All other trademarks are property of their respective owners. © 2026 3M. All rights reserved.