



Science.  
Applied to Life.™

**Safety solutions  
for the construction  
industry.**



# Keeping you safe on site

**Construction is your business...  
Keeping you safe is ours.**

Being in construction, you know where your priorities lie - and that's to ensure the health, safety and welfare of your workers, contractors and every single visitor to site. For several decades, we have been making it our business to help you do just that.

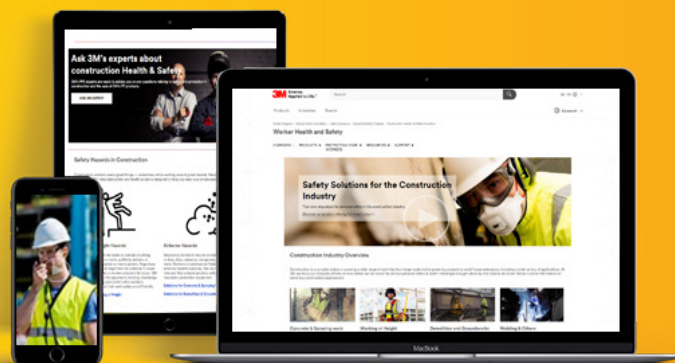
Preventing injuries and occupational ill health is a key priority for any organisation, but to the construction sector in particular, with its broad range of activities found on site make your industry one of the most hazardous to work in.

Here at 3M, we go considerably further than most to help customers create a working environment that's safe. That's why we make it our personal mission to offer you a broad range of innovative Personal Protective Equipment, backed by the support you would expect from 3M.

## **Safety Solutions for the Construction Industry**

Your one stop place for personal safety in the construction industry. Visit the 3M Construction Hub today to access a range of industry resources and product solutions to help keep your workers safe on site.

Visit [3M.co.uk/Construction](https://3M.co.uk/Construction) to learn more



# Safety hazards in construction

The range of hazards found on a construction site make it one of the most hazardous workplaces, however at 3M, we make it our personal goal to offer a range of innovative solutions to improve safety, comfort and compliance on site.

A key factor in ensuring compliance is compatibility. Lack of compatibility can affect workers in multiple ways including; loss of protection, reduction in comfort and/or effects on productivity. 3M Personal Protective Equipment is designed with compatibility in mind, from safety helmets with integrated eyewear to reusable respirators with a drop down feature so the safety helmet does not need to be removed.

## Hearing hazards

Construction sites are noisy places and hearing related injuries are the second most prevalent in the construction industry. That is why it is important to ensure your workforce is protected, while maintaining lines of communication and situational awareness. We understand that the hearing and communications solution you choose for your workers must be comfortable, easy to use and to reduce noise by just the right amount.



## Fall from height

Fall from height is the number one cause for fatalities in the construction industry\*. Regardless of distance, all work at height has the potential to cause serious or fatal injuries to workers should a fall occur. 3M Fall Protection offers the equipment, training, knowledge and expertise to help give construction workers confidence to perform their work safely and efficiently.



## Falling objects

Falling objects and other impacts to the head are common occurrence in construction. In 2019/20, there were 18 reported cases of employees in the UK being fatally injured by moving or falling objects\*. Our 3M™ range of head protection provides a variety of solutions and ensures good compatibility with other PPE.



## Airborne hazards

Respiratory health may be compromised by exposure to dust, silica, asbestos, wood dust, manganese, paint, chemicals and more. Many construction site activities may generate respirable crystalline silica dust which can lead to devastating long term respiratory diseases. 3M offers a wide range of disposable, reusable and powered air respirators to provide protection against dust particles and other airborne hazards.



## Flying particles

Ejected particles flying at high speed from grinding, debris from concrete breaking and dust are all common on construction sites and could cause permanent damage to the eyes. Protective eyewear is often mandatory on construction sites, so selecting comfortable eyewear is critical in ensuring compliance. 3M offers eyewear solutions including anti-scratch, anti-fog, protection from ultra-violet light and impact.



## Confined spaces

Many activities in construction involve working in confined spaces. Confined spaces can be complicated, and without the proper controls and precautions, can be potentially fatal. Lack of proper working space, reduced oxygen levels and compromised emergency services access can all have serious consequences for the worker.



## Welding and Grinding

Welding processes typically generate hazardous ultraviolet/infrared radiation and (intense) visible light that have the potential to cause permanent eye damage. Physical eye hazards include welding spatter and grinding particles. While professional welders are typically aware of the visible hazards to their eyes and face, invisible hazards such as welding fume are often not so well known, yet just as dangerous. In 2019 the UK Health and Safety Executive (HSE) issued a safety bulletin about the change in enforcement expectations for control of welding fume, resultantly there is a greater expectation in the issuance and use of respiratory protective equipment. 3M offers a range of high quality welding shields and powered air respirators designed for the needs for welders.



\*. <http://www.hse.gov.uk/statistics/fatals.htm>



# Science of Safety

Visit our 3M Science of Safety Centre ([www.3M.co.uk/scienceofsafety](http://www.3M.co.uk/scienceofsafety)) to access a range of resources and tools to help keep your workplace safe and productive.

- ▶ Engage your workforce in conversations about safety
- ▶ Access expert industry knowledge through our live and on-demand webinars
- ▶ Stay up to date with guidance on hazards and health and safety legislation with our Essential Resource Packs



## Resources and tools



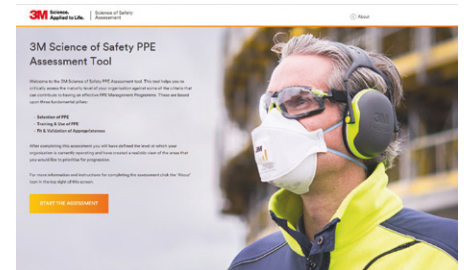
### Resource Packs

Our free Resource packs offer educational guidance on a range of hazards and regulations, designed to help keep your workforce safe.



### Webinars

Tap into the knowledge of 3M's leading experts with our free Safety Webinars. Available live and on-demand, webinars cover a range of topics and hazards.



### PPE Self Assessment Tool

This tool helps you to critically assess the maturity level of your organisation against some of the criteria that can contribute to having an effective Personal Protective Equipment (PPE) Management Programme.



## Just bring biscuits

Let's talk safety. Grab a cup of tea and some biscuits and use our free SafeTea pack to start a quick and easy discussion with your team on staying safe in the workplace.

- ▶ Engage your workforce in Health & Safety
- ▶ Free training materials for H&S professionals
- ▶ 10 modules covering different workplace hazards
- ▶ Easy to follow plan you can complete in a tea break

**DOWNLOAD YOUR FREE  
SAFETEA KIT AT  
[3M.CO.UK/SCIENCEOFSAFETY](http://3M.CO.UK/SCIENCEOFSAFETY)**



# Putting the Health into Health and Safety in Construction

HSE statistics 2019/2020

Fortunately, fatal injuries in the workplace have been decreasing in the past two decades, however the number of health problems linked to exposures at work is a major concern.

3M is showing its support for Occupational Health by highlighting this issue.

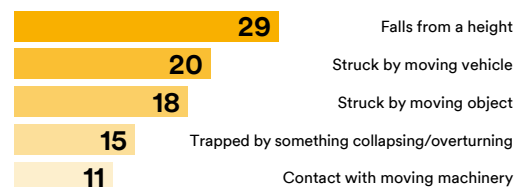
SAFETY



## 111 workers

were killed at work in Great Britain in 2019/20; of these 40 were in the construction industry<sup>1</sup>

Main accident types for workers across industries<sup>2</sup>



HEALTH

## 1.6 million

workers suffering from work-related ill health in 2019/20<sup>3</sup>

## 38.8 million

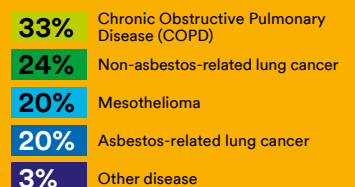
working days lost due to work-related illness and workplace injury<sup>3</sup>

## 168,000

new cases of work-related ill health leading to 7 or more days off work (2019-2020)<sup>4</sup>



Occupational lung diseases contributing to estimated annual current deaths



CONSTRUCTION

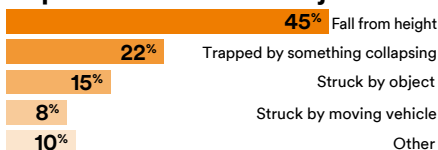
## 81,000

workers suffering from work-related ill health in Construction in 2019/20<sup>3</sup>

## 40 fatal injuries

to Construction workers in 2019/20<sup>5</sup>

Top 5 causes of fatal injuries



The HSE state that **Silica** is the biggest risk to construction workers after asbestos. Heavy and prolonged exposure to respirable crystalline silica can cause lung cancer and other serious respiratory diseases like Silicosis<sup>6</sup>

The HSE estimate Silica was responsible for the death of over

## 500

construction workers in 2005<sup>6</sup>

The amounts needed to cause this damage is tiny, the most you should be inhaling during a day **after using the right controls** is shown next to the penny<sup>6</sup>



Silica dust

The 2018/209 economic cost of workplace injury and work-related ill health in Construction<sup>5</sup>

## £1.2 billion

For more information about 3M, please visit [www.3M.co.uk/safety](http://www.3M.co.uk/safety)

### References

- <http://www.hse.gov.uk/statistics/pdf/fatalinjuries.pdf>
- <http://www.hse.gov.uk/statistics/fatals.htm>
- <http://www.hse.gov.uk/statistics/causdis/index.htm>
- <http://www.hse.gov.uk/statistics/pdf/cost-to-britain.pdf>
- <http://www.hse.gov.uk/statistics/industry/construction.pdf>
- <http://www.hse.gov.uk/construction/healthrisks/cancer-and-construction/silica-dust.htm>



# Hearing Hazards

Protection against high noise levels, maintaining situational awareness and communication are some of the key challenges on a construction site.

We offer a wide range of hearing protection products to help meet your requirements and protect against the development of Noise Induced Hearing Loss (NIHL).

To maintain situational awareness in potentially hazardous surroundings and ensure effective communications between workers in either noisy or socially distant environments, our range of 3M™ PELTOR™ Communication Solutions help you focus on your work and communicate safely and effectively without compromising protection.



# Hearing Protection

## Earplugs



### 3M™ E-A-R™ Push-Ins™ Earplugs

- ▶ 3M™ E-A-R™ Push-Ins™ Earplugs feature a soft foam eartip made from 3M™ E-A-Rfoam™ with a smooth skin surface for improved comfort and a semi-flexible stem that helps easy insertion and removal in the ear canal.
- ▶ This product can be fitted using one hand fitting method with an SNR of 31dB or two hand fitting method with an SNR of 35dB.



### 3M™ E-A-R™ Classic Earplugs

- ▶ SNR 28dB
- ▶ 3M™ E-A-R™ Classic™ Earplugs set the standard in hearing protection as the world's first foam earplugs
- ▶ Slow recovery, low pressure foam conforms to the shape of the ear canal for enhanced comfort and wearability
- ▶ Moisture-resistant – helps maintain a consistent expansion time, even in humid environments
- ▶ Textured surface helps keep earplugs in place

Special cylindrical shape that fits most ear canals and provides a reliable seal



### 3M™ E-A-R™ E-A-Rsoft™ Yellow Neons™ Earplugs

- ▶ SNR 36dB
- ▶ Brightly-coloured, neon-yellow earplugs are easy to identify in compliance checks
- ▶ Advanced soft foam with a smooth texture for all-day comfort
- ▶ Tapered design offers superb fit for a wide range of ears

Tapered design offers superb fit for a wide range of ears



### 3M™ E-A-R™ Express Earplugs

- ▶ SNR 28dB
- ▶ Unique pod design of earplug allows it to slide gently into the ear and expand slowly, making an effective seal for most ear canals
- ▶ Foam tip is shaped and sized for easier fitting
- ▶ No need to handle the plug tip making them more hygienically acceptable
- ▶ Available with or without a cord

Insertion stem helps eliminate the need to touch the tip when fitting

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WELDING &  
GRINDING



# Hearing Protection

## Earmuffs

### 3M™ PELTOR™ Optime™ Earmuffs



- ▶ Reduces noise levels up to 35dB
- ▶ Double casing technology minimises resonance effect
- ▶ Large space inside the cups helps minimise heat and moisture build-up
- ▶ Soft, wide, foam cushions help reduce pressure around the ears
- ▶ Cushions and inserts available as replacement hygiene kits
- ▶ Available in headband, neckband, helmet attached and hi-viz green models

	SNR (dB)				
	Helmet mounted	Headband	Foldable headband	Hi-viz headband	Neckband
3M™ PELTOR™ Optime™ I Earmuffs	26	27	28	28	26
3M™ PELTOR™ Optime™ II Earmuffs	30	31	31	31	31
3M™ PELTOR™ Optime™ III Earmuffs	34	35	-	35	35
3M™ PELTOR™ Optime™ Welding Earmuff	-	-	-	-	24

Low profile and lightweight providing attenuation values ranging from SNR 25dB to SNR 35dB

### 3M™ PELTOR™ Earmuffs X Series



- ▶ Offers protection from 26dB to market highest 37dB
- ▶ Wide flat headband is electrically insulated making the earmuffs electrically resistant or 'dielectric'
- ▶ Colour-coding makes it easy to identify the level of protection being worn
- ▶ Slim cups offer improved compatibility with other safety equipment
- ▶ Wide soft ear cushions help workers stay comfortable
- ▶ Twin headband design provides heat dispersion and internal stainless steel design offers consistent pressure and comfortable fit over an 8 hour period
- ▶ Designed to optimise weight distribution and balance for outstanding comfort
- ▶ ABS plastic cups are rigid, high strength and impact-resistant
- ▶ Thermoplastic polyurethane (TPU) soft outer cup coating protects from abrasion and bumps

	SNR (dB)		
	Helmet mounted	Headband	Neckband
3M™ PELTOR™ X1 Earmuffs	26	27	26
3M™ PELTOR™ X2 Earmuffs	30	31	30
3M™ PELTOR™ X3 Earmuffs	32	33	32
3M™ PELTOR™ X4 Earmuffs	32	33	33
3M™ PELTOR™ X5 Earmuffs	36	37	37

Available in headband, helmet mount and neck band versions



# Communication Solutions

## In Ear Solutions



### 3M™ PELTOR™ Electronic Earplug, EEP-100 EU

- ▶ Helps protect hearing from sudden loud (impulse) noises
- ▶ Enables ambient sounds below 82dB to still be heard
- ▶ Supports easy communication with those nearby
- ▶ Li-ion batteries provide up to 16 hours of continuous operation
- ▶ Can be recharged via a micro B USB port on the pocket-sized storage case
- ▶ Charging can take place using a computer or wall socket
- ▶ Multiple types and sizes of replaceable eartips available to help ensure comfortable fit
- ▶ Small, lightweight design, compatible with most head-borne 3M Personal Safety Equipment products

Helps improve situational awareness and face-to-face communication

## Headsets



### 3M™ PELTOR™ ProTac™ III Headsets

- ▶ Hearing protector helps protect against harmful noise, whilst allowing ambient sounds to be heard
- ▶ Built-in level-dependent function allows the wearer to hear ambient sounds, such as conversations, machine sounds and warning signals
- ▶ 3.5 mm stereo jack to connect to your mobile phone or two-way radio to hear the call right in your ear
- ▶ Auto power off turns headset off after 4 hours of non-use, to save energy and a low-battery warning informs you when to change batteries

Hear ambient sounds such as machinery, warning signals and conversations whilst being protected from harmful noise levels



### 3M™ PELTOR™ LiteCom Series Headsets\*

- ▶ Hearing protector with built-in analogue two-way communication radio
- ▶ Available in 8, 16 or 69 channel version; some with 121 sub-channels
- ▶ Available with Bluetooth
- ▶ Can be used with private frequencies (available in a programmable solution)
- ▶ Level-dependent technology helps improve situational awareness and communication
- ▶ Lithium-Ion battery
- ▶ Noise cancelling dynamic microphone
- ▶ provides voice-operated transmission for hands-free use
- ▶ External connection jack on some versions allows connection of a mobile device or another two-way radio
- ▶ Auto power off and clear battery status indication
- ▶ Available in headband, neckband and helmet-mounted models
- ▶ Use to help you communicate efficiently in high noise environments

Hearing protector with built-in analogue two-way communication radio, environmental listening, Bluetooth® functionality and a jack to connect to external devices



### 3M™ PELTOR™ WS™ ProTac XPI Headsets

- ▶ Multipoint Bluetooth, for simultaneous, seamless connection to external devices using Bluetooth Technology
- ▶ FLX2 accessory system for an extra, simple and reliable cable connection of a non-Bluetooth enabled 2-way radio.
- ▶ Noise Cancelling IP68 classified Speech Microphone helps provide communication in noisy and demanding environments.
- ▶ Voice operated transmission (VOX) for hands free operation in high noise environments.
- ▶ Stainless Steel wire headband offers comfortable pressure during prolonged usage.
- ▶ Noise attenuating headset helps provide hearing protection in environments with potentially hazardous noise
- ▶ Level-dependent technology for ambient listening. Helps improve situational awareness and communication.

Helps improve situational awareness and face-to-face communication

# Fall from Height

## Working at height and fall protection solutions.

The first thing to take into account when talking about fall protection must be the prevention of fall risk by taking collective protection measures. However, on many occasions, these kinds of measures are not enough either due to the specific application or the characteristics of the environment.

At 3M™ our mission is to bring every worker at height home safely. We manufacture an extensive range of trustworthy PPE and fall protection devices for working at heights. Our objective is to provide you with a comprehensive solution. We want to help you prevent falls from heights and protect your workers.

Contact 3M for a free consultation. We can help you identify risks, comply with regulations and design and select the solution and PPE best suited to your project, needs and industry. As each type of working at height may require a specific level of training, we can also offer training for your workers.





# Fall protection

## ABCs of Fall Protection

A typical Personal Fall Protection System (PFPS) incorporates key components often described as the ABCs of Fall Protection. The (A) anchorage/anchorage connector, (B) body support and (C) connecting device – when used together – form a complete system for maximum worker protection. But don't forget the other important components of a comprehensive fall protection programme: (D) descent and rescue, (E) education and (F) fall protection for tools.

### A

#### Anchorage

Anchorage is a secure point of attachment. Anchorage connectors vary by industry, job, type of installation and structure. They must be able to hold fast under the load of a fall, working in suspension or a rescue.



### B

#### Body support

Harnesses distribute fall forces over the upper thighs, pelvis, chest and shoulders. They provide a connection point on the worker for the personal fall protection system.



### C

#### Connecting devices

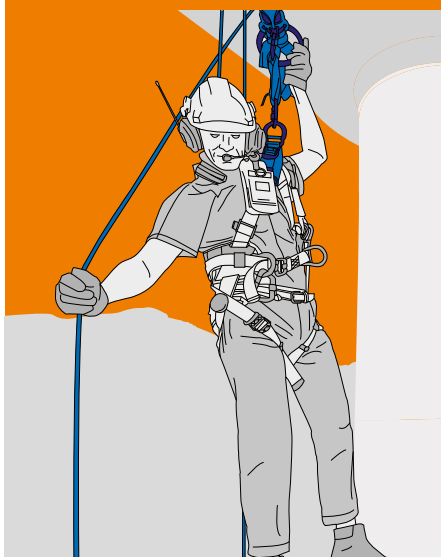
Products such as shock absorbing lanyards or self-retracting lifelines connect a worker's harness to the anchorage.



### D

#### Descent and rescue

Descent and rescue devices are used to raise or lower a fallen or injured worker to safety or retrieve them from a confined space.



### E

#### Education

We offer a variety of best-in-class certified training courses for work at height and confined spaces at our state-of-the-art training centres located around the world.



### F

#### Fall protection for tools

Fall protection for tools helps make work environments safer and more productive by reducing dropped object incidents.



HEARING  
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GRINDING

# Fall protection

## A Anchorages

### 3M™ Protecta® Polyester Webbing Sling



Polyester Webbing anchor straps are built from top quality materials guaranteeing high strength and durability to stand up to the toughest environments.

CE EN 795 Type B

	Size
AM450/60	25 mm x 60 cm
AM450/80	25 mm x 80 cm
AM450/100	25 mm x 100 cm
AM450/120	25 mm x 120 cm

### 3M™ DBI-SALA® Sliding Beam Anchor



Secure the anchor to the beam using the redesigned adjustment buttons, simply connect your Self-Retracting Lifeline (SRL) or lanyard to the swivelling D-ring and you're ready to work. The anchor point slides effortlessly behind you. User capacity: 141kg.

CE EN795 Type B

		Size	Beam Width	Flange Thickness
2104711	Sliding Beam Anchor	Small	9-35.5 cm (3.5" - 14")	3.2 cm (1.25")

### 3M™ DBI-SALA® Fixed Beam Anchor



For complete versatility, the anchor can be attached in any orientation and used with a lanyard, self-retracting lifeline, or as end-anchors for a DBI-SALA EZ-Line™ horizontal lifeline system.

CE EN795 Type B

	Beam width
2108412	6.35-30.48cm

### 3M™ DBI-SALA® EZ-Line™ Retractable Horizontal Lifeline System



3M™ DBI SALA EZ-Line™ is a user friendly and fast to install/remove temporary horizontal lifeline system. EZ-Line's innovative retractable design allows the user to quickly and efficiently set up any length of system in only seconds and dismantle it just as quick. The entire lifeline is retracted into an easy to carry case which eliminates large and bulky coils of cable that are difficult to set up, relocate and store.

CE EN795

	Size
7605061	Up to 18.25 m

### 3M™ DBI-SALA® Flexiguard™ Modular Jib System



Get the coverage you need with this versatile new fall protection system. Available in both the M100 and M200 Series, the 3M™ DBI-SALA® Flexiguard™ Modular Jib System features a simplified design that enhances worker safety in multiple applications. Increased rail length configurations improve working coverage while a new design facilitates easier transportation system.



# Fall protection

## B Body support

### 3M™ Protecta® E200 Fall Arrest Harnesses



1161609\_10\_11

3M™ Protecta® E200 Harnesses provide reliable protection, comfort and convenience; all at an affordable price. These new harnesses have enhanced features such as auto-resetting lanyard keepers. Available with pass through or quick connect buckles. Additional models available with comfort padding.

CE EN361



1161642\_43\_44

	Buckle type	Size
1161609	Pass-through	S
1161610	Pass-through	M/L
1161611	Pass-through	XL
1161642	Quick-Connect	S
1161643	Quick-Connect	M/L
1161644	Quick-Connect	XL

### 3M™ DBI-SALA® XE50 Safety Harness



1112714\_15\_16

Built with durable 26kN polyester webbing and alloy steel hardware, 3M™ DBI-SALA® ExoFit™ XE50 was created to endure the daily conditions of your work site. The back D-ring plate design with Personal Self-retracting Lifeline (pSRL) tunnel allows quick and easy connection of personal SRLs. Revolving torso-adjustment buckles and quick-connect buckles will help get your team a quick, safe and comfortable harness fit. All models are equipped with low-profile suspension trauma relief straps.

CE EN361



1112711\_12\_13

	Buckle type	Size
1112711	Quick-Connect	1
1112712	Quick-Connect	2
1112713	Quick-Connect	3
1112714	Quick-Connect	1
1112715	Quick-Connect	2
1112716	Quick-Connect	3

### 3M™ Protecta® Construction Fall Arrest Kit



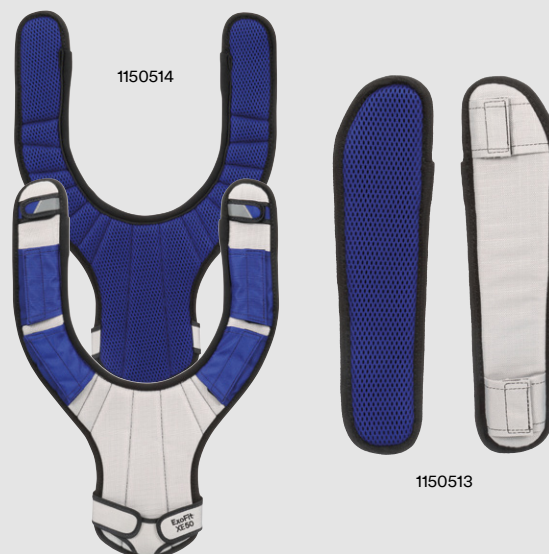
Kit includes:

- 3M™ Protecta® E200 Standard Vest Style Fall Arrest Harness 1161601, Black, Medium/Large
- 3M™ Protecta® Shock Absorbing Lanyard, 140 kg Capacity, Elastic Webbing, Single Leg, 2.00 m, 1260328
- 3M™ Protecta® E200 Rucksack, 9513331

	Description
1150507	Construction Kit

### 3M™ DBI-SALA® XE50 Harnesses

Comfortable, lightweight and compact padding provides the opportunity to add extra comfort to your 3M™ DBI-SALA® ExoFit™ XE50 Safety harness. Convenient features including a hook-and-loop attachment and non-slip design makes the padding easy to use, fit, and remove by the user. Heavy-duty construction is suitable for tough work environments.



	Description	QTY
1150514	Shoulder Padding Accessory	1 Pack
1150513	Leg Padding Accessory	2 Pack

# Connecting devices

## Work Positioning Lanyards

### 3M™ Protecta® Trigger Lanyard



Trigger device allows simple adjustment for perfect work positioning or restraint. Simple triple action carabiner connection to Trigger device. 10.5mm kernmantle rope material is durable and easy to adjust through the Trigger device.

CE EN358

\*not for fall arrest use

	Size
1200314	Up to 2m

## Shock Absorbing Lanyards

### 3M™ Protecta® Shock Absorbing Elastic Webbing Lanyard



Elasticated webbing reduces lanyard length when not under tension, reducing the risk of trip and snagging hazards. 140kg max. rated weight capacity – higher than standard fall arrest lanyard.

CE EN355

		Length
1260330	Single leg	1.5m
1260329	Twin leg	1.5m
1260328	Single leg	2.0m
1260327	Twin leg	2.0m

## Self-Retracting Lifelines

### 3M™ DBI-SALA® Nano-Lok™ Personal Self-Retracting Lifeline



Trusted for its reliability and durability, the Nano-Lok has been the industry's go-to personal SRL for many years. Our latest version not only matches the performance of the outgoing model, it surpasses it. It's sleeker with a more compact design. It's tougher with the longer lasting cover. And it's easier to use and faster to connect\*.

CE EN360

\*Compared to previous model.

			Length
3101208	Single leg	Aluminium Hook	2.0m
3101298	Twin leg	Aluminium Hook	2.0m
3101709	Single leg	Comfort Grip Hook	2.1m
3101718	Twin leg	Comfort Grip Hook	2.0m

## Self-Retracting Lifelines

### 3M™ Protecta® Web Self-Retracting Lifelines



3M™ Protecta® Self-Retracting Lifelines are durable and tough and provide an economical fall protection solution without compromising on performance or safety. High strength 25mm polyester webbing.

CE EN360

		Length
3100423	Web	3.3 m
3100437	Web	6 m

### 3M™ Protecta® Cable Self-Retracting Lifelines



3M™ Protecta® Self-Retracting Lifelines are durable and tough and provide an economical fall protection solution without compromising on performance or safety. 5mm galvanised steel cable.

CE EN360

		Length
3590520	Cable	6 m
3590521	Cable	10 m
3590570	Cable	15 m

### 3M™ Protecta® Cable Leading Edge Self-Retracting Lifelines



3M™ Protecta® Self-Retracting Lifelines are durable and tough and provide an economical fall protection solution without compromising on performance or safety. Protects against sharp, abrasive and leading edges found at construction sites. Complies with extreme sharp edge standard (VG11.054, type B, 0mm radius).

CE EN360

		Length
3590542	Cable	6 m
3590545	Cable	12 m



**For Descent and Rescue, see page 28**



## F Fall Protection for Tools



### 3M™ DBI-SALA® Safe Bucket

- ▶ Heavy-duty vinyl is easy to clean and is suitable for harsh work environments
- ▶ Innovative hook and loop closure system guards against spills during transport and lifting. Unique design allows the closure system to be placed in Lockdown mode and Easy Access mode
- ▶ Carabiner and Hoisting Strap equipped with a high-quality and lightweight aluminium twist-lock carabiner
- ▶ Six built in connection points for tethering tools
- ▶ Puncture resistant plating sewn into the base of the bucket

Product code	Load capacity
1500140	113.4 kg



### 3M™ DBI-SALA® D-ring Attachments

- ▶ Creates instant attachment points
- ▶ Use our Quick-Wrap Tape II to attach D-ring to your tool

Product code	Description	Load capacity
1500003	D-Ring 1.3cm x 5.7cm	0.9kg
1500007	D-Ring 2.5cm x 8.9 cm	2.3kg
1500009	D-Ring Cord	2.3kg



### 3M™ DBI-SALA® Hook2Loop Bungee Tether

- ▶ Features a carabiner with screw locks that prevent accidental opens
- ▶ Simply slides onto the handle of a tool in seconds
- ▶ Tubular webbing
- ▶ Swivel spin top makes the tether tangle-resistant
- ▶ Reusable and suitable for non-conductive use

Product code	Description	Load capacity	Length	Pack quantity
1500047	Hook2Loop Bungee Tether	6.8kg	81cm-119cm	1
1500048	Hook2Loop Bungee Tether	6.8kg	81cm-119cm	10
1500049	Medium Duty Hook2Loop Bungee Tether	15.9kg	78cm-132cm	1



### 3M™ DBI-SALA® Quick-Wrap Tape II

- ▶ Heavy duty 2.54 cm (1") wide tape with high-elongation properties resulting in more wraps with the same length of tape
- ▶ Used with our D-rings and Tool Cinch Attachments to create instant tethering points on virtually any tool
- ▶ Conforms to shape of tool handles, adheres on contact to most clean tools and can be repositioned during installation

Product code	Description	Length	Pack quantity
1500169	Blue	274 cm	10
1500175	Yellow	274 cm	10



### 3M™ DBI-SALA® Adjustable Wristbands

- ▶ **Adjustable wristband:** Our adjustable wristband uses a hook and loop system to adjust to any wrist size. An elastic band helps ensure a comfortable fit
- ▶ **Adjustable wristband with cord:** Adjusts to any wrist size using a hook and loop system. A built-in cord is used to quickly attach and stage tools directly to the wristband
- ▶ **Adjustable wristband with retractor:** Adjusts to any wrist size. A built-in retractor with an attached trigger can be used to quickly work with many hand tools

Product code	Description	Pack quantity
1500083	Adjustable wristband	10
1500085	With cord	10
1500087	With retractor	10



# Falling Objects

**Comfort and compatibility** are key to ensuring compliance in workers wearing Personal Protective Equipment. The 3M™ range of head protection is designed with the needs of construction workers in mind, offering a range of safety helmets and accessories to keep you safe onsite.



# Head protection

## Safety helmets



### 3M™ SecureFit™ Safety Helmet, X5000

- ▶ Secure, comfortable head protection for working at heights and other hazardous industrial jobs
- ▶ Suspension system incorporates exclusive patented 3M™ Pressure Diffusion Technology
- ▶ 4-point chin strap selector system unique to 3M makes it possible to switch between EN 12492 (Mountaineering helmets) and EN 397 (Industrial safety helmets) standards
- ▶ 3M™ Uvicator™ sensor disc tells you when your hard hat has been over exposed to UV-radiation and it's time to replace it
- ▶ Inspired by climbing helmets with a brimless design to give you a clear upward view
- ▶ 6-point ratchet suspension allows wearer to customise height and fit with multiple levels of vertical adjustment
- ▶ Accessory slots and clips are compatible with a variety of 3M faceshields, earmuffs and other accessories
- ▶ Approved for lateral deformation
- ▶ Available in a range of colours with reflective options available

Climbing-style helmet with 4 point chin strap for working at height



### 3M™ SecureFit™ Safety Helmet, X5500

- ▶ Secure, comfortable head protection against small falling objects and for general industrial use
- ▶ Certified to EN 397 standard for general industrial use
- ▶ Suspension system incorporates exclusive patented 3M™ Pressure Diffusion Technology
- ▶ 4-point ratchet suspension allows wearer to customise height and fit with multiple levels of vertical adjustment
- ▶ Inspired by climbing helmets with a brimless design to give you a clear upward view
- ▶ Compatible with a plastic buckle chin strap
- ▶ Accessory slots and clips are compatible with a variety of 3M faceshields, earmuffs and other accessories
- ▶ 3M™ Uvicator™ sensor disc tells you when your hard hat has been over exposed to UV-radiation and it's time to replace it
- ▶ Approved for lateral deformation and molten metal splash
- ▶ Available in a variety of colours, with vented and unvented options

Low profile design with optional ventilation



### 3M™ Safety Helmet, G3000 Series

- ▶ Hard hat designed for use in harsh environments, with excellent ventilation and a good field of vision
- ▶ 3M™ Uvicator™ sensor disc tells you when your hard hat has been over exposed to UV-radiation and it's time to replace it
- ▶ Softly rounded design helps avoid parts snagging on cables or branches
- ▶ Ventilation holes distributed over a large area offer maximum through-flow of air, increasing wearer comfort
- ▶ Head harness can be rotated 180° for better visibility when working in confined spaces
- ▶ Short peak gives improved upwards visibility
- ▶ Certified to EN 397 standard for general industrial use

Designed for use in tough environments

## Safety helmet accessories



### 3M™ Hard Hat Integrated Safety Glasses V9 Series

- ▶ Provides impact and UV protection in accordance to EN 166
- ▶ Easily attaches to 3M™ Hard Hats
- ▶ Durable anti-scratch and anti-fog lens coating
- ▶ helps minimise physical damage and fogging
- ▶ Easy to adjust for a good fit
- ▶ Tested and approved to EN 166

Designed to attach to 3M™ Hard Hats for protection from particles and UV.

HEARING  
HAZARDS

FALL FROM  
HEIGHT

FALLING  
OBJECTS

AIRBORNE  
HAZARDS

FLYING  
PARTICLES

CONFINED  
SPACES

WELDING &  
GRINDING



# Airborne hazards

Many construction activities generate dust and particulates which can be extremely dangerous to workers health.

Breathe easy and protect yourself from potential hazard exposure with 3M's respiratory protection. With solutions including disposable respirators, reusable respirators and powered air purifying respirators, you can select the right equipment to suit your working application.





# Respiratory Protection

## Flat fold respirators



### 3M™ Aura™ Particulate Respirator, 9300+ Series

- ▶ Disposable flat fold respirators offering effective protection against particulates including dusts and mists.
- ▶ Low breathing resistance filter technology for easier breathing through your shift
- ▶ 3-panel design that accommodates facial movement during speech designed to provide increased comfort
- ▶ Embossed top panel helps reduce eyewear fogging

	Valved	Strap colour	Assigned Protection Factor	
3M™ Aura™ Particulate Respirator 9320+	Unvalved	Blue	10	FFP2
3M™ Aura™ Particulate Respirator 9322+	Valved	Blue	10	FFP2
3M™ Aura™ Particulate Respirator 9330+	Unvalved	Red	20	FFP3
3M™ Aura™ Particulate Respirator 9332+	Valved	Red	20	FFP3

3-panel design fits a wide range of face shapes and sizes

## Maintenance-free Reusable Respirators



### 3M™ Maintenance-Free Reusable Respirator, 4000+ Series

- ▶ Effective and comfortable protection against a range of gas, vapour and particulate hazards
- ▶ A newly enhanced valve assembly helps to reduce exhalation breathing resistance for improved breathing comfort
- ▶ Lightweight, well-balanced design
- ▶ Adjustable head cradle and easy to fasten neck straps
- ▶ Available in a choice of four models

	Protection
3M™ Half Mask Reusable Respirator, 4251+	FFA1P2 R D
3M™ Half Mask Reusable Respirator, 4255+	FFA2P3 R D
3M™ Half Mask Reusable Respirator, 4277+	FFABE1P3 R D
3M™ Half Mask Reusable Respirator, 4279+	FFABEK1P3 R D

Integrated cartridge and filters mean it's ready to use and maintenance-free



### 3M™ Cool Flow™ Fan, 1040 Series

- ▶ Optional attachment that attaches simply and securely to the 3M™ Maintenance-Free Reusable Respirators 4000+ Series
- ▶ Reduces heat and moisture build up within the mask
- ▶ Noticeable cooling sensation on your face as you work
- ▶ Single button control function for ease of use
- ▶ Integrated rechargeable battery, charge with the USB cable provided

Optional attachment for use with 3M™ Maintenance-Free Reusable Respirator, 4000+ Series

HEARING  
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GRINDING

# Respiratory Protection

## Reusable Respirators



### 3M™ Secure Click™ Reusable Respirator, HF-800 Series

- ▶ Greater breathability and comfort provided by the world's first quad flow cartridge system
- ▶ Push button seal check helps bolster confidence that the respirator is properly sealed to the face
- ▶ Speech diaphragm is designed to help provide easier communication while you work
- ▶ Confidence that filters and cartridges are installed properly provided by Secure Click™ connection
- ▶ Low profile half mask design offers a wide field of view and compatibility with certain welding and grinding shields

	Speech diaphragm	Size
3M™ Secure Click™ Half Mask Reusable Respirator, Small, HF-801	No	Small
3M™ Secure Click™ Half Mask Reusable Respirator, Small, HF-801SD	Yes	Small
3M™ Secure Click™ Half Mask Reusable Respirator, Medium, HF-802	No	Medium
3M™ Secure Click™ Half Mask Reusable Respirator, Medium, HF-802SD	Yes	Medium
3M™ Secure Click™ Half Mask Reusable Respirator, Large, HF-803	No	Large
3M™ Secure Click™ Half Mask Reusable Respirator, Large, HF-803SD	Yes	Large

Unique filter connection – align the connections and push until you hear a click



### 3M™ Secure Click™ Reusable Respirator Filters

- ▶ For use with 3M™ Secure Click™ Respirators
- ▶ Secure Click™ connection allows filters to be easily and securely inserted into place
- ▶ Swept-back design provides wide field of view.
- ▶ New dual flow cartridges and filters allow for easier breathing
- ▶ Hard case particulate filter available recommended for harsh environments with a need for easy decontamination and protection
- ▶ Range of filters to protect against gases, vapours and particulates

Secure Click™ connection allows filters to be easily and securely inserted into place



### 3M™ Reusable Respirator, 6500QL Series

- ▶ Reusable respirator designed with tough and dirty work environments in mind
- ▶ Resilient silicone faceseal helps provide comfort, durability, and stability with a soft but firm seal
- ▶ Cool Flow™ valve helps reduce heat build-up by allowing warm, exhaled air to escape
- ▶ Adjustable head harness assembly offers improved fit and comfort
- ▶ Bayonet connection fitting system to a broad range of filters to protect against gases, vapours and particulates

	Size
3M™ Half Mask Reusable Respirator, Small, 6501QL	Small
3M™ Half Mask Reusable Respirator, Medium, 6502QL	Medium
3M™ Half Mask Reusable Respirator, Large, 6503QL	Large

Quick Latch drop down mechanism allows easy on and off without removing your safety helmet



### 3M™ Gas, Vapour and Particulate Filters

- ▶ Protects against range of vapours, gases and particulates
- ▶ Bayonet-style connection fits a wide range of half and full-face 3M™ Reusable Masks
- ▶ Combines protection with comfort and balance
- ▶ Twist and click for a quick and easy fit
- ▶ Suitable for half and full-face 3M™ Reusable Masks with a bayonet-style connection

Suitable for half and full-face 3M™ Reusable Masks with a bayonet-style connection



# Respiratory Protection

## Powered Air Respirators



### 3M™ Versaflo™ Powered Air Respirator, TR-300+ Series

- ▶ Easy-to-use, versatile, respirator system for particulate protection
- ▶ Slim and lightweight design
- ▶ Two user selectable flow rates and controlled airflow as the battery discharges or filter loads with particulates
- ▶ Display shows battery charge status during use as well as selected airflow
- ▶ A range of spare parts and accessories are available, including filters and pre-filters; chargers; belts; and braces
- ▶ CE approved to EN 12941 TH2/TH3 or EN 12942 TM2 / TM3 depending on the headtop or facepiece

	Includes
3M™ Versaflo™ Powered Air Turbo TR-302E+	TR-302E+ Turbo Unit and Airflow Indicator
3M™ Versaflo™ Powered Air Turbo Starter Kit TR-315E+	TR-302E+ Turbo Unit, particulate filter, pre-filter, spark arrestor, standard belt, high capacity battery pack, battery charger kit, self-adjusting breathing tube and airflow indicator

Lightweight turbo unit designed for environments containing particulates



### 3M™ Versaflo™ Powered Air Respirator, TR-600 Series

- ▶ Depending on the type of filter used it provides protection against particles, gases or vapours, or against a combination of these
- ▶ Electronic audible, visual and vibratory alarm in case of low battery and/or low air flow
- ▶ When clean is critical IP 67 rating (with use of TR-653 Storage and Cleaning Kit) allows for submersion while cleaning to save time and effort, paving the way for more productivity
- ▶ CE approved to EN 12941 TH2/TH3 or EN 12942 TM2 / TM3 depending on the headtop or facepiece

	Includes
3M™ Versaflo™ Powered Air Turbo TR-602E	TR-602E Turbo Unit, Spark Arrestor and Airflow Indicator
3M™ Versaflo™ Powered Air Turbo Starter Kit TR-619E	TR-602E Turbo Unit, A2P Filter, filter cover, prefilters, spark arrestors, easy clean belt, high capacity battery, single station battery charger kit, length adjusting breathing tube and airflow indicator

Three selectable airflow rates to maximise comfort



### 3M™ Versaflo™ Intrinsically Safe Powered Air Respirator, TR-800 Series

- ▶ The TR-800 is approved to Zone 0 requirements and so may be suitable for areas where potentially explosive atmospheres are expected and permanent in normal operation
- ▶ Choose from particulate filters or gas and vapour combination cartridges for protection in a variety of environments
- ▶ Multiple airflow rates put you in control of your comfort
- ▶ Intuitive, coloured touchpoints plus visual and audible low flow indicators help make the TR-800 easy to use
- ▶ When clean is critical – IP 67 rating (with use of TR-653 Storage and Cleaning Kit) allows for submersion while cleaning to save time and effort, paving the way for more productivity
- ▶ CE approved to EN 12941 TH2/TH3 or EN 12942 TM2 / TM3 depending on the headtop or facepiece

	Includes
3M™ Versaflo™ Powered Air Turbo TR-802E	TR-802E Turbo Unit and Airflow Indicator
3M™ Versaflo™ Powered Air Turbo Starter Kit TR-819E	TR-802E Turbo Unit, A2P Filter, filter cover, prefilters (x10), easy clean belt, intrinsically safe battery, single station battery charger kit, length adjusting breathing tube and airflow indicator

Intrinsically Safe Powered Air Turbo

HEARING  
HAZARDS

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OBJECTS

AIRBORNE  
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PARTICLES

CONFINED  
SPACES

WELDING &  
GRINDING

# Respiratory Protection

## Powered Air Respirators



### 3M™ Versaflo™ Helmets, M-300 Series

- ▶ Highly versatile, integrated protection from a range of respiratory, head (EN 397), eye and face (EN 166 medium energy impact), and hearing hazards
- ▶ Lightweight, compact and well-balanced helmet
- ▶ Deflector allows users to direct the airflow inside the headtop for increased control and comfort
- ▶ Visor design combines good peripheral and downward vision with good optical clarity
- ▶ Coated polycarbonate visor provides added chemical and scratch resistance
- ▶ Compatible with a range of 3M™ PELTOR™ hearing protection as well as an in-built microphone for ease of communication

Head protection approved according to EN 397



### 3M™ Versaflo™ Helmets with Shrouds, M-400 Series

- ▶ Versatile protection against a range of respiratory, head (EN 397), eye and face hazards (EN 166 medium impact)
- ▶ Highly-durable, protective nylon shroud that's suited for construction applications and heavy industry
- ▶ Jawed visor can be lifted without removing the helmet
- ▶ Lightweight, compact and well-balanced design
- ▶ Deflector allows users to direct the airflow inside the headtop for increased control and comfort
- ▶ Visor offers excellent peripheral and downward vision
- ▶ The visor has a coated polycarbonate for added scratch and chemical resistance

Shroud provides additional neck and shoulder protection



### 3M™ Reusable Full Face Mask FF-600 Series

- ▶ Can be used as a face piece for a powered air respirator or as a negative-pressure single-filter mask
- ▶ Designed to provide a good field of vision
- ▶ Guarded speech diaphragm designed for improved communication
- ▶ Polycarbonate visor for eye and face protection
- ▶ Compatible with certain 3M™ air delivery units

Large polycarbonate visor designed to give good field of vision



### 3M™ Reusable Full Face Mask FF-300 Series

- ▶ Can be used as a face piece for a powered air respirator or as a negative-pressure single-filter mask
- ▶ Sweat port helps to improve user comfort during long periods of use
- ▶ Side-fitting filter port and clear inner mask for improved forwards and downwards vision
- ▶ Filter doesn't interfere with front-mounted speech diaphragm to aid in easy communication
- ▶ Compatible with certain 3M™ air delivery units

Rugged construction designed for hazardous environments



# Respiratory Protection

## Asbestos and Abatement



### 3M™ Powered Air Respirator PV-300 Series

- ▶ Designed specifically to meet the requirements of workers in the asbestos industry
- ▶ Provides protection against respiratory, face and eye hazards whilst working in environments containing asbestos
- ▶ Particulate only powered air system which combines a belt mounted battery pack and mask mounted motor, based on the 3M™ Vision™ full face mask

	Size
3M™ Phantom Vision™, S	Small
3M™ Phantom Vision™, M	Medium
3M™ Phantom Vision™, M/L	Medium / Large

Designed for Asbestos environments. IP54 rated for use in decontamination showers



### 3M™ Powered Air Respirator PF-600E Series

- ▶ Electronically maintains a steady air flow. Continuous visible monitoring of air flow and battery status. Visual and audible alarms for low battery or reduced air flow
- ▶ Shower-proof construction to aid decontamination
- ▶ Simple one button operation
- ▶ Choice of breathing tubes, tight-fitting respirators and accessories

5564594	3M™ Powered Air Respirator System Asbestos Kit PF-600E-ASB-FF-302, 1/Case
5064586	<a href="#">3M™ Scott™ Proflow™ Asbestos Ready Kit with 3M™ Promask™ FM3 PF100cm angle breathing tube</a>
5564593	3M™ Powered Air Respirator System Asbestos Kit PF-600E-ASB-FF-603, 1/Case
2030459	3M™ Powered Air Respirator System Asbestos Kit PF-600E-ASB-FF-602, 1/Case
2030458	3M™ Powered Air Respirator System Asbestos Kit PF-600E-ASB-FF-601, 1/Case
5064588	<a href="#">3M™ Scott™ Proflow™ Asbestos Ready Kit with 3M™ Vision™ FM4 side fitting, PF100cm angle hose</a>
2030461	<a href="#">3M™ Scott™ Proflow™ Asbestos Ready Kit with 3M™ Vision™ FM4 Medium, side fitting, PF100cm angle hose</a>
2030460	<a href="#">3M™ Scott™ Proflow™ Asbestos Ready Kit with 3M™ Vision™ FM4 Small, side fitting, PF100cm angle hose</a>
5064541	3M™ Powered Air Respirator PF-602E-ASB, 1/Case
5064580	3M™ Powered Air Respirator System Starter Kit PF-619E-ASB, 1/Case
5064579	<a href="#">3M™ Scott™ Proflow™ SC Asbestos 160 Starter Kit inc. PF80cm hose, caps, belt, 2x Particulate</a>

Data-logging feature enables usage data to be downloaded and recorded for record keeping

HEARING  
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FALL FROM  
HEIGHT

FALLING  
OBJECTS

AIRBORNE  
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FLYING  
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SPACES

WELDING &  
GRINDING



# Flying particles

Tough jobs deserve a great fit.

3M™ Eye Protection promises quality eyewear that provides an optimal balance of comfort, protection and design. With multiple styles, coatings and lens tints, 3M eyewear can help keep your workers safe on site.

To help choose your ideal eyewear solution, visit [3M.co.uk](https://www.3m.co.uk) and try out the Eyewear Selection Tool.



# Eye Protection

## Protective eyewear



### 3M™ SecureFit™ Safety Glasses 200 Series

- ▶ Certified to EN 166
- ▶ Safety glasses that self adjust to fit a wide array of head sizes
- ▶ 3M™ Pressure Diffusion Temple Technology which helps diffuse pressure over the ear to enhance frame comfort for a secure and comfortable fit
- ▶ The flat temples makes it suitable to use in combination with earmuffs, prevents noise leakage.
- ▶ Wraparound design to improve the security of fit and prevent slipping
- ▶ Very lightweight, only 18 grams
- ▶ Anti-Scratch and Anti-Fog coating for increased durability and improved vision
- ▶ Also one model available with superior 3M™ Scotchgard™ Anti-Fog/Anti-Scratch Coating

Suitable for use with earmuffs



### 3M™ SecureFit™ Safety Glasses 400 Series

- ▶ Certified to EN 166
- ▶ Safety glasses with 3M™ Pressure Diffusion Temple Technology for a comfortable fit
- ▶ Wraparound design to improve the security of fit and prevent slipping
- ▶ Get added comfort over the ears with padded temple touchpoints
- ▶ Lightweight design of 19g
- ▶ Soft adjustable nosepiece for even greater personalisation of fit (400X)
- ▶ Protection against UV in accordance to EN 166
- ▶ 3M™ Scotchgard™ Anti-Fog/Anti-Scratch Coating provides superior anti-fog and anti-scratch properties, complying with K&N marking requirements of EN 166
- ▶ Reader options available

Additional comfort with padded temple touchpoints



### 3M™ Solus™ Safety Glasses 2000 Series

- ▶ Certified to EN 166
- ▶ Adjustable ratchet temples help to ensure a secure fit
- ▶ Polycarbonate lens absorbs 99.9% of UVA and UVB rays
- ▶ Reader options available
- ▶ 3M™ Scotchgard™ Anti-Fog/Anti-Scratch Coating provides superior anti-fog and anti-scratch properties, complying with K&N marking requirements of EN 166
- ▶ Also models available with anti-scratch+ coating for additional anti-scratch performance

Adjustable ratchet temples enable a secure fit



### 3M™ Solus™ CCS Safety Glasses

- ▶ Certified to EN 166
- ▶ Safety glasses with a Corded Control System (CCS) on the temples for attaching corded ear plugs
- ▶ Polycarbonate lens absorbs 99.9% of UVA and UVB rays
- ▶ 3M™ Scotchgard™ Anti-Fog/Anti-Scratch Coating provides superior anti-fog and anti-scratch properties, complying with K&N marking requirements of EN 166
- ▶ Available with a removeable foam gasket

Corded Control System (CCS) for attaching corded earplugs



### 3M™ SecureFit™ Overspectacles 3700 Series

- ▶ Certified to EN 166
- ▶ Adjustable ratchet temples help to ensure a secure fit
- ▶ Pressure Diffusion Temples (PDT) help reduce pressure over the ear for a secure and comfortable fit
- ▶ Polycarbonate lenses absorb 99.9% of UVA and UVB rays
- ▶ 3M™ Scotchgard™ Anti-Fog provides superior anti-fog property and Anti-scratch + provides durable scratch resistance in tough work environments (depend on model).
- ▶ Similar to typical sunglasses, grey lenses are popular in outdoor daytime work environments

Adjustable ratchet temples enable a secure fit

HEARING  
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WELDING &  
GRINDING

# Confined spaces

## Get in easily. Get out safely.

There may be many confined spaces in a construction site and it is vital to ensure that you have the controls and protection in place to ensure the safety of your workers.

3M Confined Space Specialists can tailor a solution for you that offers the safety, compliance, reliability and efficient cost-of-ownership you need. Our experts will be happy to get in touch - no obligation.

Learn more at [www.3M.co.uk/confinedspaces](http://www.3M.co.uk/confinedspaces)



## Breathing Apparatus



### 3M™ Scott™ ELSA Emergency Escape Breathing Apparatus

- ▶ Intended for rapid escape from hazardous industrial environments such as confined spaces, the ELSA (Emergency Life Support Apparatus) is designed to be reliable, quick and simple to operate, ensuring maximum protection in escape situations.
- ▶ The large hood means this escape solution can suit any worker.
- ▶ A constant supply of air for quick escape from hazardous industrial environments
- ▶ Designed for reliability and ease of use for maximum protection in an escape situation
- ▶ Available in durations of 10 or 15 minutes

Enables rapid escape from confined spaces



### 3M™ Scott™ FLITE COV Supplied Air Respirator

- ▶ Provides respiratory protection in any IDLH (Immediately Dangerous to Life and Health) environment, the Flite COV automatically provides emergency respiratory protection and escape capability if air flow from the primary supply is interrupted.
- ▶ Simple to operate and maintain
- ▶ Also provides emergency respiratory protection and escape capability
- ▶ Warning whistle alerts user that apparatus has switched to cylinder air

Connects to supplied air and provides automatic switchover to emergency escape if air flow interrupted



# Confined spaces

Fall Protection for Confined Spaces - for more Fall Protection visit page 12

## D Descent and rescue

### 3M™ Protecta® Tripod



When it comes to confined space entry/rescue, it is essential that equipment operates perfectly and quickly. Lightweight, portable Protecta® aluminium tripods are ideal for confined space manhole entry and retrieval. They're easily transported from one location to another and can be set up by one worker. Attach one or two mechanical devices such as a winch or 3 way self retracting lifeline and you're ready to go. Our tripods are loaded with features such as locking legs, simple detent pin-style adjustment, quick mount mechanical device bracket and skid-resistant tread plate soles on feet.

CE EN795

	Size
AM100	1.50 - 2.56 m

### 3M™ Protecta® Standard Vest Style Fall Arrest Rescue Harness



3M™ Protecta® Standard Vest Style Fall Arrest Rescue Harness is specifically designed for fall arrest and confined space applications incorporating all the features of the new Protecta® harness range but with the addition of an overhead rescue attachment point to aid rescue through restricted openings.

CE EN361, EN1497

		Size
1161612	Pass Through Buckle Type	S
1161613	Pass Through Buckle Type	M/L
1161614	Pass Through Buckle Type	XL

### 3M™ Protecta® Self-Retracting Lifeline, Retrieval



3M™ Protecta® Cable Self-Retracting Lifeline, Retrieval, is housed in durable, lightweight thermoplastic and provides an economical fall protection solution and rescue without compromising on performance or safety. This Retrieval model incorporates an emergency retrieval winch for rescue, specifically designed for confined space applications.

CE EN360 EN1496

		Length
3591002	Cable, with rescue winch	15 m

### 3M™ DBI-SALA® 5 Piece Davit Arm High Capacity (HC)



3M™ DBI-SALA® Davit Arm Systems are designed for manhole and confined space entry/retrieval applications.

These units are constructed of lightweight materials including high-strength aluminium. The davit pivots for ease-of-rescue and has adjustment for overhead clearance restrictions. The lower base adjusts to fit most standard entries. Many other portable and fixed bases are available to suit any jobsite need.

	Size
8000118	Short Reach
8000119	Long Reach

### 3M™ DBI-SALA® Rollgliss™ R550 Rescue System with Hub



#### Emergency Escape

Use the Rollgliss R550 as an escape device when it's imperative to get to the ground as quickly as possible.

#### Assisted Rescue Pick-Off

Use the Rollgliss R550 for an assisted pick off rescue when a victim is unable to get to safety alone. Lower to the victim and hook up to them and the device to descend to safety.

#### Assisted Rescue

Attach the Rollgliss R550 to the top of the wind turbine and lower the hook end to the victim and lower them to the ground.

#### Custom Rescue

The Rollgliss R550 can be used in many custom rescue situations. Use the system to repel down the structure to safety.

	Length
3329010	10 m
3329030	30 m
3329050	50 m
3329070	70 m
3329100	100 m
3329130	130 m

\* Other lengths or longer lengths up to 500 m available.



# Welding and grinding



## Guided by welders, trusted by welders

From building skyscrapers to railways, welders are a key worker in the construction industry. Welders require exceptional comfort while maintaining performance and protection and construction sites are no different.

From the first ground breaking auto-darkening welding helmet in 1981 to our current line up of state-of-the-art welding safety products, we continue to revolutionize your world.

With a product range which includes welding helmets, powered air respirators and EN 397 approved head protection combinations, 3M™ Speedglas™ can offer the solution you need to keep you safe on site.



# Welding protection

## Welding helmets



### 3M™ Speedglas™ Welding Helmet G5-01 with 3M™ Adflo™ High-Altitude Powered Air Respirator and welding filter G5-01VC

- ▶ 3M Speedglas Variable Colour Technology in dark shades 5, 8-14
- ▶ 3M™ Adflo™ Powered Air Respirator helps protect you against both particles and gases in one system, offering the highest safety class: EN12941 TH3 - APF40
- ▶ Bluetooth enabled with the 3M Connected Equipment app, users get access to additional functionalities, statistics and documentation.
- ▶ Adjustable airflow for your comfort, direct the airflow to either your face, visor or somewhere in-between.

Innovative air duct system allows you to control the airflow paths within the helmet



### 3M™ Speedglas™ 9100 Air Helmet with Adflo™ Respirator and welding filter 9100 XXi

- ▶ Dark shades 5, 8, 9-13 for most types of arc welding with delay and sensitivity function
- ▶ Possible to lock-in any shade, e.g. in the light state 3 when grinding
- ▶ Ergonomically designed head suspension
- ▶ Fits with 3M™ PELTOR™ Welding Earmuff H505B
- ▶ Tack welding comfort mode help minimize eye strain during extended tack welding applications
- ▶ With the right type of filter, the Adflo respirator effectively protects you against both particles and gases - all in one system

All the benefits of the Speedglas™ welding helmet 9100 plus 3M™ Adflo™ powered air respiratory protection



### 3M™ Speedglas™ Welding Helmet 9100, with filter 9100XXi

- ▶ Speedglas™ welding filter 9100XXi: variable dark shade 5, 8, 9-13 for most types of arc welding
- ▶ Welding filter viewing area: 73 mm x 107 mm
- ▶ Light shade 3
- ▶ Delay function sets the dark-to-light opening time
- ▶ Switching time (light-dark) of 0.1 ms
- ▶ The sensitivity of arc detection can be adjusted for unsurpassed switching reliability
- ▶ Tack welding comfort mode helps minimise eye strain during extended tack welding applications
- ▶ Ergonomically-designed head suspension
- ▶ Helmet without side windows

Speedglas welding helmet 9100 including 9100XXi welding filter and side windows for most types of welding



### 3M™ Speedglas™ Welding Helmet 9100 MP with welding filter 9100XXi and 3M™ Adflo™ Powered Air Respirator

- ▶ Meets the EN 379 standard for industrial safety helmets
- ▶ 3M™ Speedglas™ Welding Filter 9100XXi offers variable dark shades of 5, 8 and 9-13 for most types of arc welding
- ▶ 3M™ Speedglas™ Natural Colour Technology provides more contrast and a natural-looking view through the welding filter
- ▶ Automatic ON welding filter feature
- ▶ Side windows (shade 5) can help widen the field of vision

Combined head, face, eye and powered air respiratory protection for welding applications



### 3M™ Speedglas™ Welding Helmet 9100-QR

- ▶ Quick release rail that attaches to own safety helmet
- ▶ QR rail enables welding visor to be easily detached, while safety helmet stays in place for non-welding tasks
- ▶ Designed to fit many of the industry's most popular safety helmets
- ▶ Compatible with all Speedglas Welding Filter Series 9100, including the 9100XXi filter

With the QR rail installed, you can easily detach the welding visor and your safety helmet stays in place for non-welding tasks

HEARING  
HAZARDS

FALL FROM  
HEIGHT

FALLING  
OBJECTS

AIRBORNE  
HAZARDS

FLYING  
PARTICLES

CONFINED  
SPACES

WELDING &  
GRINDING

## Notes



## Notes



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*Filter options and colour coding may differ in Europe.*

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