

3M Science.
Applied to Life.™

Get in easily.
Get out safely.

3M™ Confined Space Safety Solutions



Fall Protection



Fall Protection



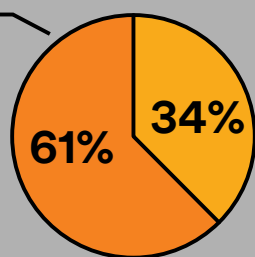
Fire & Safety

Confined Space – Plan and Rescue

Confined spaces present some of the most challenging environments for any health and safety professionals. From potentially toxic atmospheres, to physically hazardous conditions such as extreme temperatures, unstable materials, or the potential for falls, confined spaces often present unseen challenges. Creating and maintaining a safe jobsite with Confined Spaces depends on having correct, current information.

Confined Spaces Statistics

96 deaths
in confined spaces in the
USA alone* (per year).



Physical hazards

Atmospheric hazards

Workers' Safety Concerns:

Physical hazards



Engulfment



"Struck-by"



Heat



Falls

Atmospheric hazards



Oxygen
deficiency



Toxic
chemicals



Combustible
dusts

Source

* <http://www.rocorescue.com/roco-rescue-blog/confined-space-fatalities-a-closer-look-at-the-numbers#.WKRkYFURL3g>

3M can help!

1. Plan
2. Access
3. Work Inside
4. Rescue & Retrieval



1. Plan

- Training courses
- Regulatory requirements
- Practical tools



2. Access

- Training courses
- Air monitoring
- Retrieval equipment & PPE



3. Work Inside

- Training courses
- PPE to help protect from hazards inside the space

4. Rescue & Retrieval

- Training courses
- Tools to help with Rescue plan
- Rescue & retrieval equipment



Examples of Confined Spaces



Storage tanks



Ductwork



Manhole



Reaction vessels



Elevator shaft



Tunnels



Waste water treatment



Utility vault



Culverts



Alkylation unit



Trench box

For obligation-free consultation with 3M industry specialists

Anchor Systems

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

- Designed for manhole and coned space entry/retrieval applications.
- The Davit pivots for ease of rescue and has an adjustment for overhead clearance restrictions.
- The lower base adjusts to the most standard entries.
- A range of bases and masts are available.



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

- Designed for side or horizontal manhole and confined space entry/retrieval applications and operated mechanically through winches.
- Constructed with lightweight materials including high strength aluminium.



Tripods

3M™ DBI-SALA® Confined Space Aluminium Tripod 8000000

- The 3M™ DBI-SALA® Confined Space Tripod is constructed of tubular lightweight aluminum and a rugged steel head assembly.
- These tripods are extremely lightweight and portable, easily set up by one worker and can be transported from one location to another.



Connectors

3M™ DBISALA® Salalift™ II
Winch 8102001



18 m of 6.3 mm
galvanized steel
wire rope.6:1
gear ratio
mechanical
advantage

3M™ DBI-SALA® Sealed Blok™
Galvanized Cable Self-Retracting
Lifeline, 40m, 3400971



40 m of 5mm
galvanized steel
wire rope with
self-locking
swivel hook

3M™ Protecta® Rebel™ SS Cable
Self-Retracting Lifeline, 15m,
3590571



15 m of 5mm
stainless steel
wire rope with
anchor swivel,
thermoplastic
housing and
anchorage
carabiner

Fixed Bases

3M™ DBI-SALA® Confined
Space Wall Mount Sleeve Davit
Base 8518348



Bolt or weld to
vertical walls.

Highly corrosion
resistant stainless
steel hardware

3M™ DBI-SALA® Deck Mount
Sleeve Davit Base 8515834, 1 EA



Slips into 10.1 cm
hole in existing
flooring.

Flush mount
design for 6.4
to 50.8 mm
thicknesses

It's 3M™ DBI-SALA® Confined
Space Center Mount Sleeve
Davit Base, 8516563



Bolt to steel and
concrete floors.

High strength
stainless steel
construction

Accessories

3M™ DBI-SALA® Steel Plate
Anchor 2104550



Set-screw design
installs onto 9.5-
25.4 mm thick
plate steel.

Integral D-ring
tie-off point

3M™ DBI-SALA® Advanced™
Carrying Bag 8513330



Carrying/storage bag for
3M confined space tripod

3M™ DBI-SALA® Confined
Space Carrying Bag 8513565



Carrying bags for 3-Piece
Davit portable base

Full-Body Harness

3M™ PROTECTA® P200 Standard Vest Style Fall Arrest Harness 1161619



- Fixed back D-ring
- Shoulder D-rings
- Pass through buckle connections
- Auto-resetting lanyard keeper and impact indicators

3M™ PROTECTA® P200 Comfort Belt Style Fall Arrest Harness 1161637



- Soft durable belt hip padding
- Fixed back D-ring
- Shoulder D-rings
- Work-positioning D-rings
- Pass through buckle connections
- Auto-resetting lanyard keeper and impact indicators



Lanyard

3M™ DBI-SALA® Work Positioning Spreader Bar Lanyard KF71201466



Use for vertical lifts in confined space or rescue situations

Large D-ring attachment point

3M™ DBI-SALA® Rescue/Retrieval Y-Lanyard with Spreader Bar 1231460



0.6 m rescue/retrieval Y-Lanyard

Abrasion resistant polyester webbing

Supplied Air Solutions

3M™ Scott™ ELSA Emergency Life Support Apparatus



The 3M™ Scott™ ELSA (Emergency Life Support Apparatus) is designed for rapid escape from hazardous industrial and marine environments where atmospheric conditions change rapidly.

3M™ Scott™ Flite COV Airline Breathing Apparatus



Easy to don bandolier harness with padded shoulder strap optional 10 or 15 minute air supply for use in and emergency escape from hazard situations, must be worn in IDLH situations.

3M™ Scott™ Modulair Airline Trolley System



The 3M™ Scott™ Modulair Airline Trolley System provides a portable compressed air supply system for users of airline breathing apparatus.

3M™ Scott™ ProPak Sigma SCBA



Self-contained, positive pressure breathing apparatus with moulded, lightweight, composite backplate with a fully adjustable harness and an adjustable webbing cylinder band

3M™ Scott™ ProPak-f SCBA



Self-contained breathing apparatus, comprising lightweight, rigid backplate with a cylinder band and a fully adjustable padded body harness.

3M™ Scott™ EPIC 3 Voice Amplifier



Provides robust, person-to-person communications in a sleek. Automatic shut-off feature reduces costs of battery replacement and improves equipment readiness.

Communication Solutions



3M Personal Safety Division

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