

Safety Equipment

Available to purchase from



TRAINING
& RESCUE

Safe in our hands

The new name for Mines Rescue Service

An expert guide to help you
make the right choice



www.mrsl.co.uk

Welcome



**TRAINING
& RESCUE**

Safe in our hands

Our years of experience in confined spaces and working at height rescue and training has enabled us to adopt very strict requirements for the equipment that we use and recommend.

We are only prepared to recommend equipment for sale which, through extensive testing and 'on the job' use, has proven to be fit for purpose.

This brochure shows what we use and have available for sale from any of our training centres.

Training on the use of all equipment featured can be provided too.

When your life depends on the equipment you use, it is good to know you are safe in our hands.

2

Contents

- 4** Environmental monitors
- 5-7** Breathing apparatus
- 8** Escape sets
- 9-10** Tripod and winch systems
- 11** Fall arrest
- 12** Fall restraint
- 13** Harnesses
- 14** Rescue
- 15** Additional items



Confined space and work at height equipment summary

Equipment	Low Risk Confined Space	Medium Risk Confined Space (vertical entry)	Medium Risk Confined Space	High Risk Confined Space (vertical entry)	High Risk Confined Space	Working at Height (non suspended)	Working at Height (suspended)
Environmental Monitor (pg. 4)	✓	✓	✓	✓	✓		
Escape Breathing Apparatus (pg. 8)		✓	✓	✓	✓		
Open Circuit Self Contained Breathing Apparatus (pg. 5)				✓	✓		
Air Line Breathing Apparatus (pg. 5)				✓	✓		
Tripod (pg. 9 & 10)		✓		✓			✓
Winch System (pg. 9 & 10)		✓		✓			✓
Fall Arrest Devices (pg. 11)		✓		✓		✓	✓
Fall Restraint Devices (pg. 12)		✓		✓		✓	✓
Rescue Harness (pg. 13)		✓	✓	✓	✓		
Fall Arrest Harness (pg. 13)		optional	optional	optional	optional	✓	
Rope Access Harness (pg. 13)						optional	✓
Specialist Rescue Equipment (pg. 14)	✓	✓	✓	✓	✓	✓	✓
Other Equipment (pg. 15)	✓	✓	✓	✓	✓	✓	✓
Auto Descender (pg. 10)						✓	✓
Self-Retracting Lifeline (pg. 11)		✓	✓	✓	✓		

This chart aims to provide guidance on typical requirements under a range of circumstances. We will be pleased to discuss your individual company requirements and if necessary, visit you to advise on the right equipment for your application.

Training for all equipment can be provided.

Contact your local training centre today

Environmental monitors



1 ALTAIR 4 MULTI ENVIRONMENTAL MONITOR (ATEX)

- Easy to use – just three buttons – On, Off and Peak Reading
- Robust with rubber coating
- Loud audible warning
- Very long battery life
- Clear readings
- Downloadable information
- Can be calibrated by MRS
- ATEX-approved I M1 Ex ia I Ma, II 1G ia IIC T4 Ga, II 2G Ex d ia mb IIC T4 Gb, -40°C to +60°C, IP67

2 BW CLIP 4 ENVIRONMENTAL MONITOR

- Requires no calibration, sensor replacement, battery replacement or charging for 2 years
- Very easy to use – just one button to turn on and off
- Gives clear reading of four gases on one screen
- Can be calibrated by MRS

4

Holds an impressive 24hr charge, exceeding the industry average by 71%



2



Breathing apparatus

1 CEN-PAQ COMPACT OPEN CIRCUIT BREATHING APPARATUS

- Very easy and quick to fit, so ideal if you need to quickly get into a confined space
- Although short duration – up to 30 minutes of air – it can be connected to an air trolley if more time is needed
- Lightweight, flame retardant high vis jacket system – ideal if working in tight confined spaces
- Vision 3 mask is large and very clear



2 DRÄGER PSS 5000 SELF CONTAINED BREATHING APPARATUS

- Reliable, comfortable and light to wear
- Used by the fire service meaning in the event of an emergency, the kit is understood by the service when it responds



3 DRÄGER PAS AIRPACK 2

- Allows two people to work together simultaneously thanks to the Y piece that can be connected to the hose
- Ideal when extended duration air supply is required as only uses one of the two cylinders at a time, so there's always a constant flow of air
- Does require an extra person to monitor the cylinders and replace as one becomes empty
- Ideal when working in tight or small spaces as wearer doesn't need bulky cylinders and just pulls the hose. However, hose is limited to 90 feet

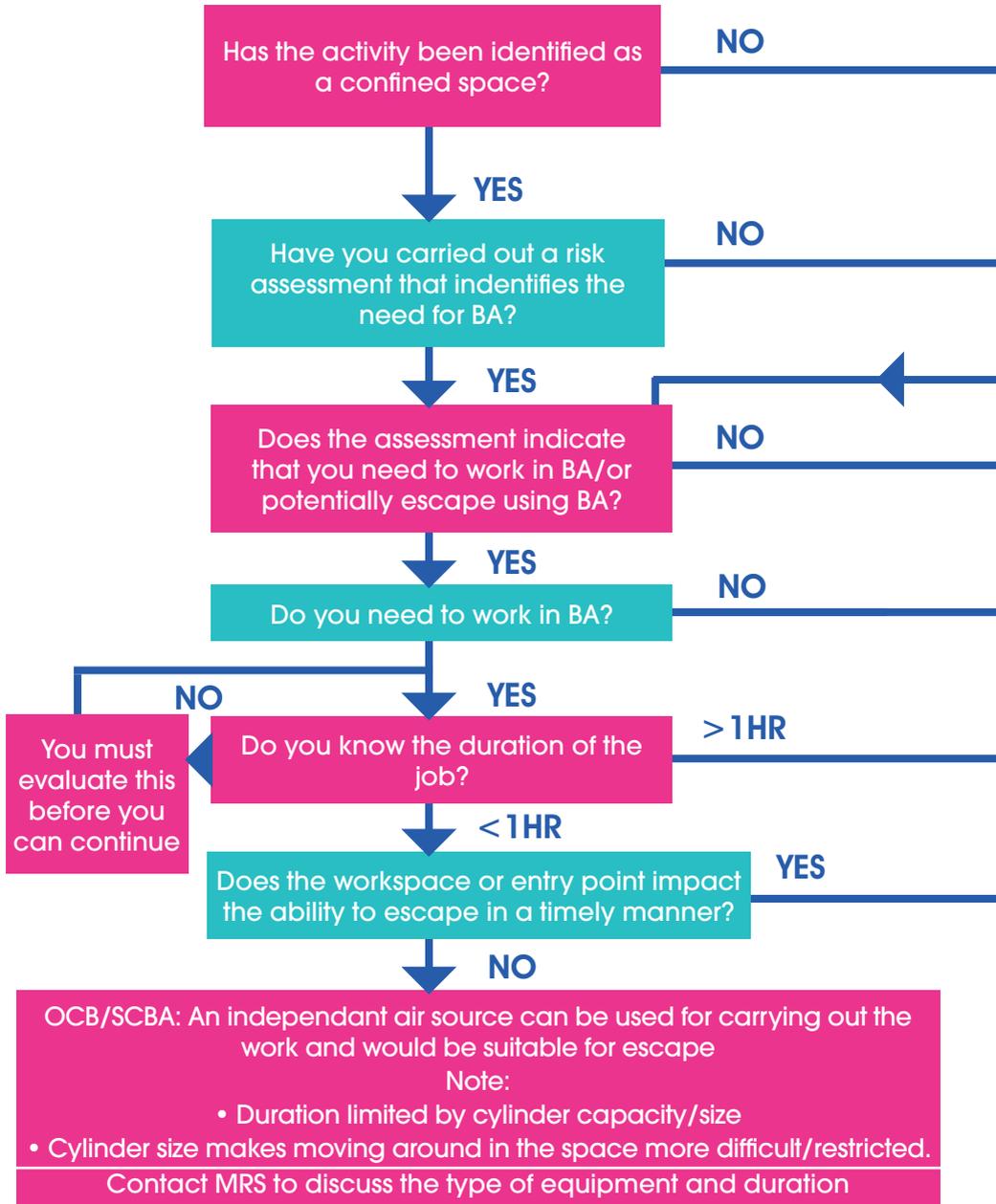


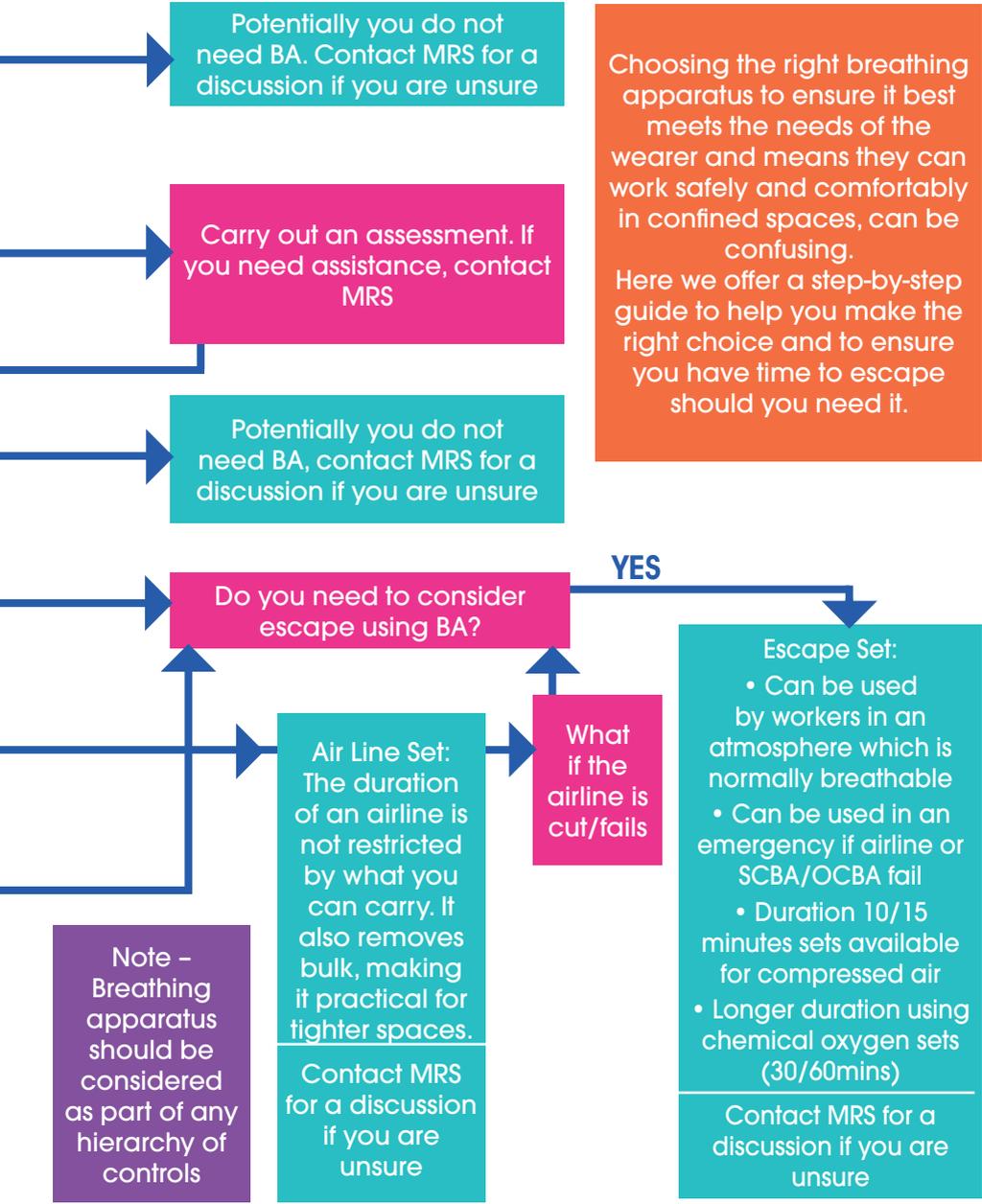
Please note – people wearing this equipment should have undergone face fit testing and remain clean shaven

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Do I need breathing apparatus and what type?

6





Choosing the right breathing apparatus to ensure it best meets the needs of the wearer and means they can work safely and comfortably in confined spaces, can be confusing. Here we offer a step-by-step guide to help you make the right choice and to ensure you have time to escape should you need it.

Note – Breathing apparatus should be considered as part of any hierarchy of controls

Escape sets



Both the escape sets we recommend

- Can be reused over and over again – once used, just sanitise the mask, refill the cylinder and reuse
- Have a sealed bag that stops contaminants getting in
- Emit an audible warning sounded when one minute of air remains

Additional features of each escape set are listed below:

1 DRÄGER SAVER PP 10 OR 15

- Lightweight, compact and easy to use
- Cooling effect when worn, with low risk of mask misting
- Can be used in conjunction with other safety equipment such as helmets or ear protectors
- Wearers should ensure they are face fit tested
- Not suitable for those who are not clean shaven

2 DRÄGER SAVER CF 10 OR 15

- Suitable for those with glasses and/or beards
- Face fit testing not required
- Large vision panel
- Easy to maintain and check air levels with handy colour coded gauge on the side

8



Tripod and winch systems

1 SALA / PROTECTOR SYSTEM UP TO 40M HEIGHT

- For man riding applications up to 40m we recommend the Protector AM100 Tripod fitted with the SALA series digital winch. This has the option to change the manual winch to a mechanically driven device using a suitable drill and overload protection clutch (sold separately)
- We recommend fitting a secondary SRL fall arrest system with a recovery handle, this can be the Protecta Rebel (up to 15m) or the Sala Sealed Blok (up to 40m). These should be fitted to the tripod leg to prevent persons working directly over an access point. Good quality equipment at a reasonable price
- Tripod is relatively lightweight (aluminium construction) with adjustable locking legs and multiple anchor points



All tripods are available for use with hoists, chain blocks and fall arresters which can be purchased separately



Contact your local training centre today

Tripod and winch systems



1 MITTLEMAN SYSTEM DESCENDS UP TO 160M

- For man riding applications over 40m we recommend the Mittleman Tripod and Unidrive man riding system
- The Unidrive caters for entries up to 160 metres and can be fitted to any EN795 anchor point, not only a tripod
- Can be operated with a drill attachment for longer descents (up to 160m), or a ratchet handle giving a mechanical advantage and safe to use in DSEAR rated zones
- We recommend the Petzl ASAP (with shock pack) for the secondary fall arrest system, which can be coupled to the tripod and operated safely away from the access point
- Unidrive also useful for rescue and work at height purposes
- Very versatile piece of equipment



Unidrive



1 PROTECTA REBEL SELF-RETRACTING LIFELINE - RETRIEVAL

- Good quality at a reasonable price
- Carrying handle for easy transportation
- Lightweight aluminium case
- Large weight capacity (1140kg)
- Extends as the user moves away, and retracts automatically enabling the user to move about within a recommended working area at normal speeds
- Should a fall occur, a speed sensing brake system will activate, stopping the fall and reducing the forces imposed on the user to safe levels
- The handle can be deployed to winch the casualty up or down to safety in an emergency situation – note, this is not a man riding winch



2 SRL 3M LANYARD

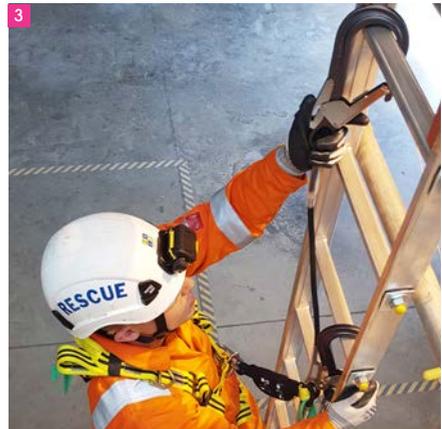
- Extends and retracts automatically with life line remaining tensioned
- Locks immediately in the event of a fall
- Can be fitted to any reliable anchor point
- Available in different lengths

3 PETZL ABSORBICA – Y TWIN LANYARD

- Good quality equipment – MRS preferred lanyard
- Compact
- Integrated energy absorber
- Available in different lengths

4 PETZL ASAP FALL ARREST

- Locks immediately in the event of a fall
- Works with both vertical and diagonal ropes
- Allows users to be hands free
- Can be fitted anywhere on compatible ropes
- Compact



Fall restraint



1 PETZL GRILLON

- Good quality
- Used for work positioning
- Can also be used as an EN795 Anchor point
- Length can be easily and precisely adjusted



2 PROTECTA 3M WORK POSITIONING LANYARD – TRIGGER

- Alternative to Petzl Grillon
- Protective cover over trigger and rope



3 PROTECTA PRO-LINE

- Horizontal portable lifeline
- Quick to install
- Versatile to use in differing situations including as an anchor point



Harnesses

1 BOLERO FRS RESCUE HARNESS

- Good, general purpose harness for confined space applications where there is a potential need for rescue
- Has dorsal and sternal attachments which can be used on a fall arrest system
- Also fitted with a rescue attachment for emergency use only
- If the fall arrest system has to be attached to the rear/dorsal attachment (e.g. first man in, last man out), it can be used with a short dorsal strap extension and this strap should not have any energy absorber installed

2 PETZL AVAO BOD ROPE ACCESS HARNESS

- Preferred where confined space access is reliant on a man riding winch, or where working at height operations require the individual to be suspended for extended periods of time
- This sit harness is comfortable and the sit position can be altered if necessary in a restricted area

3 P&P SUPER MARK3 FOUR POINT FALL ARREST HARNESS

- A good general purpose harness for working at height, under fall arrest or restraint conditions, with side attachments which are important when considering the pendulum effect
- Can be used in confined spaces so long as a rescue attachment is specified at the time of purchase



Our harnesses provide options on safety, protection and comfort required



13

Contact your local training centre today



1 DEFIBTECH LIFELINE AED

- Easy to use
- Audible prompts and full instructions mean it can be used by anyone
- Cannot accidentally shock someone as it will only shock if it detects an irregular heartbeat
- Standard battery life approximately 5 years
- Ready to use LED indicator



2 SABRE EASE WITH REGULATOR

- Easy to administer pain relief
- Portable and compact

3 SABRE MARS2 MANUAL AND AUTOMATIC RESUSCITATION SYSTEM

- Easy to use – just choose child, medium or large person mode and the Mars will pulse the oxygen needed
- Includes a CPR mode so will breathe for casualty if required



4 SKED RESCUE STRETCHER

- Lightweight
- Easy to transport
- Easy manual handling for rescuers
- Immobilizes casualty
- Very hard wearing
- Suitable for vertical and horizontal lifts
- Ideal when needing to drag casualty over long distances such as through tunnels



5 ROLLGLISS R250 RESCUE POLE AND SCAFFOLD HOOK

- Easy to use
- Good value
- Extendable pole (4.5m) to deploy hook into harness to enable casualty to be winched to safety

6 EXTRICATION DEVICE

- Fully immobilizes spine and neck
- Excellent when in tight areas or confined spaces and keeps casualty's neck and spine secure but allows for lower torso to be more flexible
- Colour coded straps so easy to use

Additional items

1 DIGITAL PORTABLE TWO-WAY RADIO

- Robust, waterproof digital radio
- Superior background noise reduction
- Allows user to hold two conversations on the same radio frequency
- Enhanced voice privacy
- Easy to use and maintain

2 PETZL VERTEX BEST HELMET

- Flush fitting
- Lightweight
- Strong chin strap
- Multi-purpose

3 PETZL PIXA® 3 (ATEX) HEADLAMP

- Slots into Petzl helmet easily or use head strap to affix to other helmet types
- Two light settings for all situations
- Just requires 2 AA batteries
- Meets ATEX zone 2/22 (II 3 GD Ex nA ic IIB T4 Gc tc IIIC T135°C Dc) certification requirements for work in explosive environments



Can be worn with head strap or fixed to a helmet

15

Contact your local training centre today



**TRAINING
& RESCUE**

Safe in our hands

**We have training
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the UK -
contact us today**

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