Helmet ReS-3 GRANIT

for sandblasting and shot blasting



Breathing apparatus (helmet) "GRANIT" ReS-3, ReS-3/OH, ReS-3G, ReS-3G/OH intended to protect the user employed at an abrasive blasting station [sandblasting, shot-blasting].

The helmet protects the worker's face and eyes, head and body from splashes of abrasive and separated corrosion products. By isolating the respiratory system from an air environment unsuitable for breathing, the device protects the worker from dusts generated at the workplace. The helmet's visor provides a sufficient field of view of the work area. The apron covering the wearer's torso is made of a double-layered dustproof fabric.

The OH version of the helmets has integrated ear muffs. The earmuffs are located in the inner liner (OH version helmets), ergonomically adapting to the wearer's ears. The 'sandblasting' process uses compressed air, which generates noise that exceeds acceptable standards. Noise is also generated due to the provision of breathing air. Using the OH version of the helmets further reduces the noise level reaching the user's ears below 80 dBa. The earmuffs have a smoothly adjustable head pressure system.

CIOP PIB

Kat. III

EN 14594

1437

Guarantee of safety

The helmet has certificate No. EU/602/2021/1437 issued by the Central Institute for Labour Protection - National Research Institute.
The helmet protects the user from hazards occurring in abrasive blasting.
The personal protective equipment complies with the following regulations, harmonised standards:

- With the provisions of Regulation (EU) No 2016/425 of the European Parliament and of the Council of 09 March 2016,
- With the standard PN-EN 14594:2018 "Respiratory protective equipment. Continous flow compressed air line breathing devices - Requirement, testing and marking".

Ergonomics

- The wearer's head is housed in an inner helmet liner padded with upholstery cushions. It provides size adjustment to fit the wearer's head. The liner has a pressure adjustment system with pressure straps. There are holes in the pressure straps through which we hook the strap to the handles on the sides of the liner. By changing the hole through which we hook the strap to the handles, we adjust the size of the liner.
- The removable apron protects the wearer's body without restricting movement. Durability is ensured by the use of two layers of material. Replacement of the worn apron is extremely easy. The apron is attached to the edge of the helmet with Velcro. First remove the elastic securing the edge of the helmet, untie the ribbon at the back of the apron and unfasten the apron. Then fold the apron in half to mark the centre of the apron, carefully place the soft part of the Velcro over the edge of the helmet, laying it from front to back. Tie the apron ribbon at the back of the helmet and pull the elastic into place. Correct the positioning of the tape securing the edge of the helmet and the operation is complete.



Inner liner version OH

Durability

- Helmet shell made of glass composite.
- Replaceable apron made of two layers of fabric.
- Visor glass made of 3 mm thick polycarbonate and 2 mm thick glass with anti-splinter film.





Visibility

The viewfinder has two protective panes: one of polycarbonate and one of glass lined with anti-splinter film.
The outer pane is made of 2mm thick glass. Glass is a relatively tarnish-resistant material, but unfortunately it can injure the user if broken. For this reason, an anti-splinter film has been applied to the inside of the glass.
The inner pane is made of 3mm thick polycarbonate.
The anti-tarnish mesh does not restrict visibility.



Flat viewfinder provides adequate visibility

Easy replacement of the viewfinder glass

To replace the glass, open the visor frame by unfastening the snap buckle, remove the used glass, place the new glass on the gasket and close the frame. If replacing the polycarbonate glass, open the frame, remove the glass and use your fingers to unwind the gasket, sliding out the polycarbonate glass. Then slide the new glass into the gasket, place the glass on the gasket and close the frame.

Removable apron to protect the wearer's body without restricting movement.

Durable thanks to the use of two layers of material.
The apron can be easily replaced when worn out. The apron is attached to the edge of the helmet with Velcro. First remove the elastic securing the edge of the helmet, untie the ribbon at the back of the apron and detach the apron. Then fold the apron in half to mark the centre of the apron, carefully place the soft part of the Velcro on the apron over the edge of the helmet, laying it from front to back. Tie the apron ribbon at the back of the helmet and pull the elastic into place. Correct the position of the tape securing the edge of the helmet and the operation is complete.



Lighting

The "GRANIT" helmet in version ReS-3G/LM1 and ReS-3G/OH/LM1 is equipped with an LED lamp powered by a set of batteries located in a special pocket under the apron. The batteries are charged using the supplied charger. Operating time on a single charge is 6-8 hours. The lamp illuminates the work area (500 lm), making work in poorly lit areas much easier.

Breathing air

Breathing air supply is regulated by the ReS-URG/ue control system or ReS-ATR air conditioner, which can be used to change the breathing air temperature temperature in the range of from +5˚C to +50˚C.





Indicator airflow

The helmets have a flow indicator of breathing air. Located is in the wearer's field of vision. The indicator falls down to indicate too little air flow.