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PRODUCT CATALOGUE



FIRE HELMET

CALISIA VULCAN

TYPE CV 102

1438
2983/2017

1437
WE/S/2187/2014

1463 - MED.
CW/MED/252/2014

2016081808000352

CV 102 type Calisia Vulcan is a B-type helmet. It meets the requirements of the EN 443:2008 standard which is confirmed by EC type review certificate No. EC/S/2187/2014 issued by a notified body No. 1437 of the CIOP-PIB and the certificate of admittance issued by the notified body No. 1438 CNBOP-PIB. It also has a certificate of compliance with Directive 96/98/EC (MED) marine fire-fighting equipment No. CW/MED/252/2014 issued by the notified body No. 1463 Polish Register of Shipping [Polski Rejestr Statków S.A.]. In addition, it meets the requirements of the GA44-2015 standard applicable in China (certificate 2016081808000352).



Innovation combined with comfort

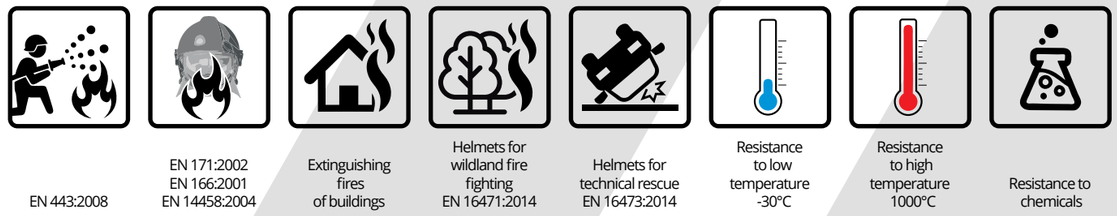
The Calisia Vulcan fire helmet was designed taking into account the growing requirements and needs of firefighters. The new solutions introduced are primarily aimed at increasing the utility values. The latest technologies and top quality materials have been used for production of the helmet. This makes the helmet lightweight and characterised by excellent protective, utility and construction properties. In difficult, extreme conditions the helmet ensures the highest level of safety.

Safety in extreme conditions

- ★ Resistance of the shell to impacts, punctures and lateral compression.
- ★ Full protection at low (-30°C) and high temperatures, resistance to flame and heat flux (tests at 1000°C).
- ★ Resistance to molten iron.
- ★ Eyes and face shields (glasses and visor) meeting the requirements of EN 14458:2004, EN 171:2002, EN 166: 2001 standards, resistant to high temperatures, flames, chemicals, protecting against infrared radiation.
- ★ Reflective elements ensure the firefighter is visible.







Available models:

- ★ MO - with glasses and a metalised visor
- ★ IT - with glasses and a transparent visor
- ★ T - with a transparent visor

1. Light and durable shell made in injection moulding technology, available in all colours (including photo luminescent and metallised), equipped with reflective tapes as standard. Optionally it can be personalised by adding functional distinctions and designation of fire brigade units.

2. Visor retractable inside the helmet, covered with a gold filter protecting against infrared radiation, or optionally transparent. The visor is not profiled, suitable for people wearing corrective glasses and can be lowered onto a breathing mask.

3. The interior of the helmet consists of a set of cushions and Nomex® padding. It is soft, convenient, comfort to wear and protects the head against abrasions.

4. Inward retractable glasses protecting eyes against solids and liquids while performing rescue operations.

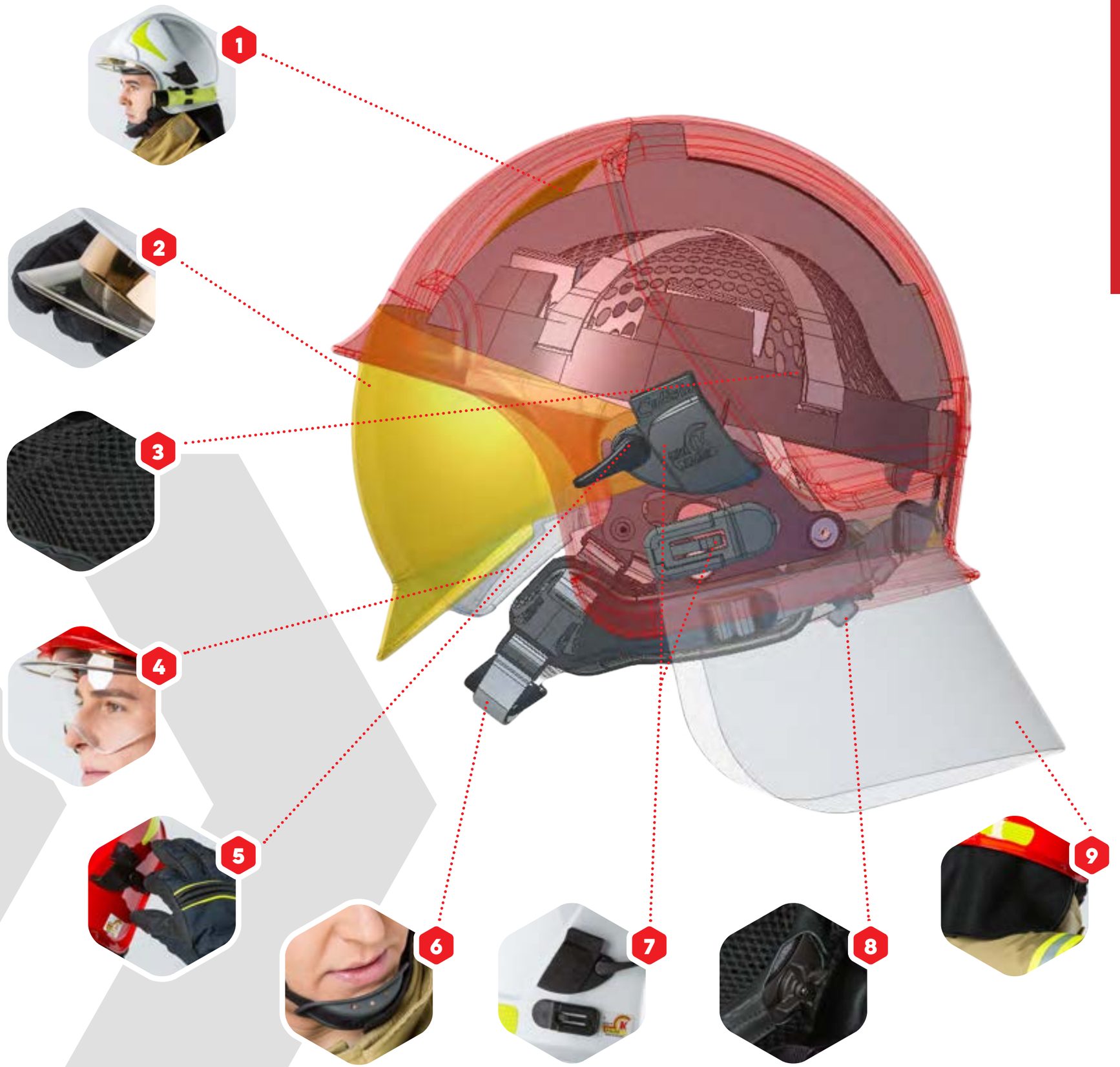
5. The glasses lowering system allows to adjust them without the need to take off gloves, with the use of a lever located on both sides of the helmet shell.

6. Soft silicone chin.

7. Unified universal socket for mounting a breathing mask and flashlights. In the top handle a full range of flashlight angle adjustment is possible even with the breathing mask worn. The lower socket for mounting the flashlight is installed optionally.

8. Fast fitting and stable placing the helmet on the head is possible thanks to a large knob enabling the circumference adjustment (in the range from 51 to 65 cm) in gloves without the need to take off the helmet.
In addition, the height of the helmet's position on the head can be set thanks to the system of hook and loop tapes as well as support tapes. The individual elements can be easily disassembled to be replaced or cleaned.

9. Neck curtain resistant to thermal radiation and flames, made of flame-retardant materials:
- ★ OS1V - short collar
- ★ OS2V - long collar protecting the neck and larynx
- ★ OS3V - leather collar
- ★ OS4V - collar made of metallised fabric





FIRE HELMET

CALISIA VULCAN

TYPE CV 103

0497
DPI/8497/1186

1463 - MED.
CW/MED/267/2016

2016081808000353

CV 103 type Calisia Vulcan is an A-type helmet – light and ensuring very good ventilation. The helmet meets the requirements of EN 443:2008 standard, confirmed by EC type review certificate issued by the notified body No. 0497 CSI S.p.A. It also has a certificate of conformity with Directive 96*/98/EC (MED) marine fire-fighting equipment No. CW/MED/267/2016 issued by the notified body No. 1463 Polish Register of Shipping. In addition, it meets the requirements of GA44-2015 standard (certificate 2016081808000353).



Safety in extreme conditions

- ★ Resistance of the shell to impacts, punctures and lateral compression.
- ★ Full protection at low (-30°C) and high temperatures, resistance to flame and heat flux (tests at 1000°C).
- ★ Resistance to molten iron.
- ★ Face shield – the visor meets the requirements of EN 14458:2004 and EN 166:2001 standards, is resistant to high temperatures, flames and chemicals.
- ★ Reflective elements ensure the fire-fighter is visible.









EN 443:2008



EN 171:2002
EN 166:2001
EN 14458:2004



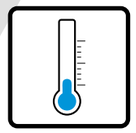
Extinguishing fires of buildings



Helmets for wildland fire fighting EN 16471:2014



Helmets for technical rescue EN 16473:2014



Resistance to low temperature -30°C



Resistance to high temperature 1000°C



Resistance to chemicals



FIRE HELMET

TYTAN MAX

TYPE HTM 102

CE
0497
DPI/0497/1125

The HTM 102 TYTAN MAX fire helmet is a third category personal protection meeting as many as four standards for helmets. It is intended for use during fire extinguishing in non-urbanised areas (forests and meadows) and during technical and road rescue operations. The innovative design of the helmet shell is made in injection technology from the top quality raw materials with increased mechanical parameters. It's a multifunctional, lightweight, ventilated helmet.



Safety in extreme conditions

★ Fulfils the requirements of standards:
— EN 16471:2014 Fire helmets. Helmets for extinguishing fires in non-urbanised areas.
— EN 16473:2014 Fire helmets. Helmets for technical rescue.
— EN 12492:2012 Mountaineering equipment. Helmets for alpinists. Safety requirements and test methods.
— EN 397: 2012 Industrial safety helmets confirmed by the EC type review certificate No. DPI/0497/1125 issued by the notified body No. 0497 CSI S.p.A. in Italy.

★ Full protection at low and high temperatures (-20°C ÷ +50°C) in terms of shock absorption capability, resistance to ball impact with speed of 120 m/s, resistance to lateral compressive forces, resistance to liquid chemicals, hot solids, short-term contact with electric cables under alternating voltage of up to 440 V and others in accordance with the above standards.

★ All exterior components of the helmet, including chin straps are flame retardant.









Helmets for wildland fire fighting EN 16471:2014



Helmets for technical rescue EN 16473:2014



Helmets for mountaineers EN 12492:2012



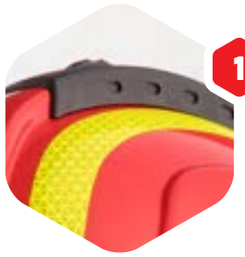
Industrial safety helmets EN 397:2012



Water rescue



Effective eye protection

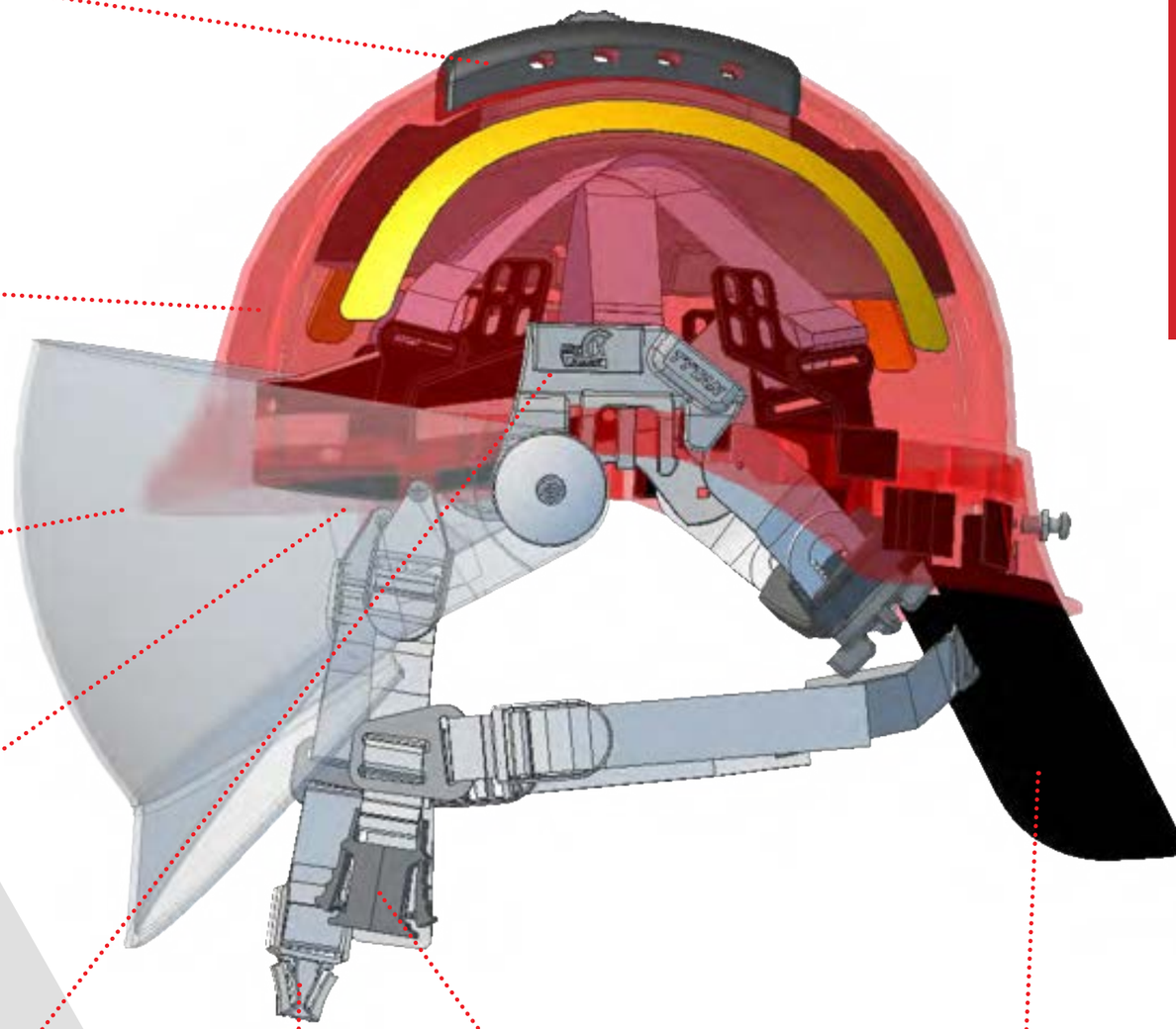


















1. Light and durable shell of the helmet made in injection moulding technology, available in all colours (including photoluminescent and metallised), equipped with reflective tapes as standard. On top of the shell there is a ventilation panel with an optional insect screen net. Inside the helmet there is a shock-absorbing insert for excellent protective properties. Optionally, it can be personalised by adding designation of fire brigade units.

2. A socket for the head flashlight and handles for communication systems.

3. Transparent face shield.

4. Optional – goggles.

5. Unified universal socket for mounting a breathing mask and flashlights. A full range of flashlight angle adjustment is possible even with the breathing mask worn.
Optionally, it is possible to mount hearing protectors and a protective net.

6. Three-point chin strap with a clasp. Fast fitting and stable placing of the helmet on the head is possible thanks to a large knob enabling the circumference adjustment (in the range from 51 to 65 cm) in gloves without the need to take off the helmet.

7. Optional – a silicone chin.

8. OST collar made of non-flammable fabric.

Additionally, the helmet can be ordered with the inside increasing the comfort of wearing (a set of cushions and Nomex® padding).



MDP [Youth Fire Brigade] helmet

Characteristics:

★ Intended for Youth Fire Brigades (MDP) and Children's Fire Brigades (DDP).
★ The helmet shell is made of polypropylene in the injection technology.
★ Equipped with reflective elements and a chin strap with a silicone chin.

The helmet is available in red and white.





Parade helmet

Characteristics:

★ Intended for standard-bearers and the Honour Guard.
★ Very light.
★ The comfortable inside made of leather, enabling comfortable wearing of the helmet even for several hours.
★ Decorative elements give it a representative character.
★ The helmet shell made in injection technology, coating of the helmet shell is metallised.

The helmet is available in silver (SR version) and black (CZ version).



SPECIAL PROTECTIVE SUIT

FHR 008 MAX

CNBOP-PIB
1438
3385/2018

CE
2474
OZO220-CPT001/18

EN 469:2005 + A1:2006+AC:2006

EN ISO 13688:2013

Protects against effects of thermal radiation and flames

Resistance to penetration of water

Personal protection equipment of the 3rd category. It is intended for firefighters taking part in rescue and fire-fighting operations. New special suit meets the highest standards of protection in all three categories of European Standard EN 469:2005+A1:2006+AC:2006 and EN ISO 13688:2013. The clothing protects against the penetration of water thanks to the waterproof membrane and by covering seams in the membrane with a sealing tape. EC type review certificate No. OZO220-CPT001/18 issued by the notified body No. 2474 MIRTA-KONTROL d.o.o. and certificate of admittance No. 3385/2018 issued by the notified body No. 1438 CNBOP-PIB.



Special protective suit FHR 008 MAX

Available in two options:

★ **FHR 008 MAX A**

Outer fabric: 75% Meta-aramid, 23% Para-aramid, 2% Antistatic fibres.

Membrane: PU laminated in non-woven (85% Meta-aramid, 15% Para-aramid).

Thermal insulation layer: non-woven (85% Meta-aramid, 15% Para-aramid), quilted to the inner lining 50% Aramid, 50% Viscose FR.

★ **FHR 008 MAX N**

Outer fabric: Nomex® Outershell Tough (75% Meta-aramid, 23% Para-aramid, 2% Antistatic fibres).

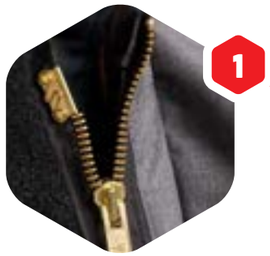
Membrane: two-component ePTFE laminated in non-woven (85% Meta-aramid, 15% Para-aramid).

Thermal insulation layer: non-woven fabric (85% Meta-aramid, 15% Para-aramid), quilted to the inner lining 50% Aramid, 50% Viscose FR.

























1. Quick-release one-way zip.

2. Functional zipped pockets.

3. Fixings for gloves, flashlights, radiotelephones, etc.

4. Inside zipped pocket.

5. Elastic cuffs with a thumb hole.

6. Outer cargo pockets.

7. Ergonomic cut of knee bending area with reinforcements. The same system is used in the elbow bending area.

8. Velcros for attaching emblems and inscriptions.

All seams are made with 100% aramid threads. 3M reflective tapes. Optionally, reinforcements on elbows as well as on cuffs and legs can be ordered.



SPECIAL PROTECTIVE SUIT

FHR 009 MAX

CNBOP-PIB
1438
3385/2018

CE
2474
OZO220-CPT001/18

EN 469:2005 + A1:2006+AC:2006

EN ISO 13688:2013

Protects against effects of thermal radiation and flames

Resistance to penetration of water

Personal protection equipment of the 3rd category. It is intended for firefighters taking part in rescue and fire-fighting operations. New special suit meets the highest standards of protection in all three categories of European Standard EN 469:2005+A1:2006+AC:2006 and EN ISO 13688:2013. The clothing protects against the penetration of water thanks to the waterproof membrane and by covering seams in the membrane with a sealing tape. EC type review certificate No. OZO220-CPT001/18 issued by the notified body No. 2474 MIRTA-KONTROL d.o.o. and certificate of admittance No. 3385/2018 issued by the notified body No. 1438 CNBOP-PIB.



Special protective suit FHR 009 MAX

Outer fabric: PBI® Matrix (40% PBI, 58% Para-aramid, 2% Antistatic fibres).

Membrane: two-component ePTFE laminated in non-woven fabric (85% Meta-aramid, 15% para-aramid).

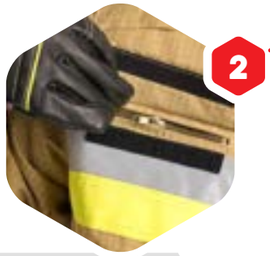
Thermal insulation layer: non-woven fabric (85% Meta-aramid, 15% Para-aramid quilted to the inner lining 50% Aramid, 50% Viscose FR.



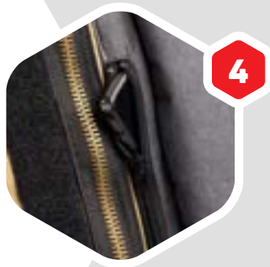
















1. Quick-release one-way zip.

2. Functional zipped pockets.

3. Fixings for gloves, flashlights, radiotelephones, etc.

4. Inside zipped pocket.

5. Elastic cuffs with a thumb hole.

6. Outer cargo pockets.

7. Ergonomic cut of knee bending area with reinforcements. The same system is used in the elbow bending area.

8. Velcros for attaching emblems and inscriptions.

All seams are made with 100% aramid threads. 3M reflective tapes. Optionally, reinforcements on elbows as well as on cuffs and legs can be ordered.



RUBBER FIRE BOOTS

FHR 003 / FHR 004

CNBOP-PIB
1438
2702/2016

CE
2474
OZO220-CPT002/16

CE
2474
OZO220-CPT001/16

Rubber boots with electro-insulating properties equipped with a removable warming insole/ sock. EC type review certificate issued by the notified body No. 2474 MIRTA-KONTROL d.o.o. and the certificate of admittance issued by the notified body No. 1438 CNBOP-PIB.



Rubber fire boots FHR 003 and FHR 004

Characteristics:

- ★ Third degree of thermal resistance (HI3).
- ★ Steel reinforcement of the boot toecap (SB).
- ★ Electro-insulating properties – class 0.
- ★ Sole puncture-proof (P).
- ★ Slip- (SRA) and oil resistant (FO).
- ★ Heat-resistant (HRO) – flame resistant and thermal radiation resistant uppers.
- ★ Absorbing energy of the heel area (E) above 20 J.
- ★ Insulating heat of the sole unit (HI).
- ★ Protection against penetration of water to the inside.
- ★ Providing good visibility of the user thanks to reflective tapes at the back of the upper.
- ★ Available in sizes 36-48 Paris point.
- ★ Chain saw cut-resistant – level 3 (model 004).





They meet the requirements of standards:

- ★ EN 15090:2012 Footwear for firefighters
- ★ EN 50321:1999 Electricity insulating footwear for working on low voltage installations.
- ★ EN 20345:2011 Personal protection equipment – safety footwear.
- ★ EN 17249:2013 + AC:2014 Safety footwear with resistance to chain saw cutting. (model 004).



LEATHER FIRE BOOTS

FHR 005 / FHR 006

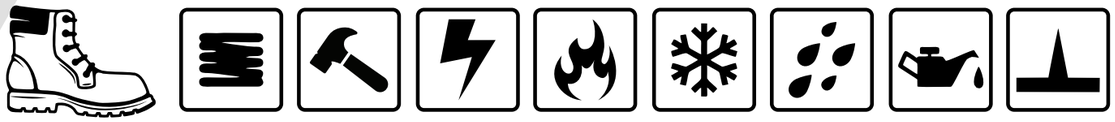
Specialist footwear, high safety class, intended for use in extreme conditions, including during rescue and fire-fighting operations and protective measures. EC type review certificate issued by the notified body No. 2474 MIRTA-KONTROL d.o.o. and the certificate of admittance issued by the notified body No. 1438 CNBOP-PIB.

CNBOP-PIB **1438** 2878/2017

CNBOP-PIB **1438** 2879/2017

CE **2474** OZO220-CPT001/17

CE **2474** OZO220-CPT002/17





Safety in extreme conditions

- ★ They meet the requirements of EN 15090:2012 for 2nd type fire footwear
- ★ Third degree of thermal resistance HI3 (contact with the ground at 250°C for 40 minutes)
- ★ Steel reinforcement of the boot toecap ended with a rubber non-wearing edge, resistant to impact up to 200 J and puncture of 1500 N
- ★ Made of full-grain hydrophobic embossed leather (models 005 PL and 006 PL) or smooth leather (models 005 and 006), specially impregnated, heat-resistant and waterproof for 180 minutes
- ★ They ensure good visibility of the user thanks to 3M® non-flammable reflective tapes
- ★ Seams made of non-flammable NOMEX® threads
- ★ The loops used instead of hooks in the lacing system prevent the risk of hooking (model 006).

Available in sizes 37 to 48:

- ★ 005 – slip-on, made of smooth leather.
- ★ 005 PL – slip-on, made of embossed leather.
- ★ 006 – with a double fastening system (zip and bootlaces), made of smooth leather.
- ★ 006 PL – with a double fastening system (zip and bootlaces), made of embossed leather.
- ★ 006 N (short upper) – with a double fastening system (zip and bootlaces), made of smooth leather.
- ★ 006 PL N (short upper) – with a double fastening system (zip and bootlaces), made of embossed leather.

Maximum comfort

- ★ IBISAFE® – instead of a steel insert, Kevlar® anti-puncture, at the same time flexible and elastic insole ensuring excellent thermal insulation. Its use significantly reduces the weight of boots.
- ★ TE-POR® – a waterproof and breathable membrane that allows sweat to escape outside, improving hygienic parameters, protecting against soaking, providing a feeling of comfort in all weather conditions.
- ★ NITRIL® sole made of black vulcanised rubber, protecting against frost and high temperatures, ergonomic, anti-static, anti-slip, acid and oil resistant, easy to clean.
- ★ JADO® – micro-ventilation system, ensuring good thermal insulation both against cold and heat, used in the upper part of the boot (at the collar).
- ★ Rear bending area.
- ★ Additional plastic ankle protection.
- ★ Leather pull loop for quick putting on the boot.
- ★ Lining in the ankle area.
- ★ Soft collar at the top of the boot.
- ★ Anatomically formed tongue.
- ★ Locking system for zip fastening (model 006).







1. High quality waterproof embossed or smooth leather in black and red. JADO® – micro-ventilation system with an inner lining ensuring good thermal insulation in the upper part of the boot.

2. Loops instead of hooks with snaps preventing the risk of hooking. 3M® reflective tapes in yellow.

3. Autonomously/Anatomically formed tongue, NOMEX® bootlaces, zip and pull loop at the back of the upper facilitate quick putting on the boot.

4. Comfortable rear bending area made of foam reinforced with fabric and sewn with non-flammable NOMEX® threads.

5. NITRIL®, pneumatic, anti-static sole protecting against frost and high temperature, anti-slip, acid and oil resistant, easy to clean. IBISAFE® kevlar® insole of the latest generation, containing no metal, fully protective against puncture.

6. Membrane: breathable, waterproof, absorbing moisture and releasing it outside. NOMEX® fire-resistant seams.

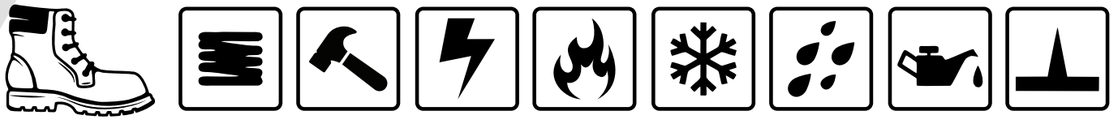
7. Integrated steel reinforcement of the protective toecap with a rubber edge. Abrasion resistant rubber cover of the toecap made of black elastomeric material.



SAFETY FOOTWEAR

FHR 014

Personal protection equipment of the 2nd category. Specialist footwear, allowing to provide the appropriate level of occupational health and safety. Made of the top quality materials. Anti-slip sole, breathable membrane, hydrophobic leather as well the solutions applied ensure high wearing comfort. EC type review certificate issued by the notified body No. 2474 MIRTA-KONTROL d.o.o.



CE
2474
OZO220-CPT008/17



Maximum comfort

- ★ IBISAFE® – instead of a steel insert, Kevlar® anti-puncture, at the same time flexible and elastic insole ensuring excellent thermal insulation and making the boots lightweight.
- ★ TE-POR® – a three-layer waterproof and breathable membrane that allows sweat to escape outside, improving hygienic parameters, protecting against soaking, providing a feeling of comfort in all weather conditions.
- ★ NITRIL® sole made of black vulcanised rubber, protecting against frost and high temperatures, ergonomic, anti-static, anti-slip, acid and oil resistant, easy to clean.
- ★ Soft collar at the top of the upper.
- ★ Available in sizes from 37 to 48.





Safety in extreme conditions

- ★ They meet the requirements of EN ISO 20345:2011 for safety footwear. EC type review certificate No. OZO220-CPT009/17 issued by the notified body No. 2474 MIRTA-KONTROL d.o.o. from Croatia.
- ★ Steel reinforcement of the boot toecap ended with a rubber, resistant to impact up to 200 J.
- ★ Made of hydrophobic leather combined with a breathable hydrophobic fabric in orange.



1. A soft, comfortable collar.

2. Loops instead of hooks in the lacing system.

3. High-quality hydrophobic leather combined with a breathable, hydrophobic fabric in orange. TE-POR® membrane: breathable, waterproof, absorbing moisture and releasing it outside. NOMEX® fire-resistant seams.

4. Integrated steel reinforcement of the protective toecap with a rubber edge.

5. NITRIL®, pneumatic, anti-static sole protecting against frost and high temperature, anti-slip, acid and oil resistant, easy to clean. IBISAFE® kevlar® insole of the latest generation, containing no metal, fully protective against puncture.



LEATHER FIRE GLOVES

FHR 001

CNBOP-PIB
1438
2704/2016

CE
2474
OZO220-CPT003/16

EN 659 +
A1:2008+AC:2009

EN 407:2004

EN 388:2016

They are produced in two options: FHR 001S with welt cuff, made of 100% Kevlar® knitted fabric and FHR 001L with a long leather cuff fitted with an adjustable strap with Velcro fastening. Gloves meet the requirements of EN 659 + A1:2008 + AC:2009 - protective gloves for firefighters. EC type review certificate issued by the notified body No. 2474 MIRTA-KONTROL d.o.o. and the certificate of admittance issued by the notified body No. 1438 CNBOP-PIB.





Rękawice strażackie skórzane FHR 001

- ★ The highest – 5th dexterity level according to EN 420 thanks to the use of the top quality nappa leather, non-flammable, heat-resistant, water-proof, very soft, tanned and oiled to prevent from shrinking.
- ★ Water-proof thanks to the applied Hipora membrane, also with windproof and breathing properties.
- ★ Gloves lining made of 100% Kevlar® knitted fabric with a very dense weave, combined with a membrane and leather in a unique, patented way ensuring comfort and dexterity.
- ★ Reinforcement of the knuckles on the outside of the glove.
- ★ Available in two options:
  - – FHR001L with a long cow split cuff
  - – FHR001S with 100% Kevlar® welt.
- ★ Available in sizes 6-13.







Main advantages of FHR 001 leather gloves:

- ★ The highest – 5th dexterity level
- ★ Top quality soft nappa leather
- ★ Resistance to wearing, cuts, tearing and punching
- ★ Knuckle reinforcement
- ★ Functionality and convenience of use.



FIRE GLOVES

FHR 002

CNBOP-PIB
1438
2705/2016

CE
2474
OZO220-CPT004/16

EN 659 +
A1:2008+AC:2009

EN 407:2004

EN 388:2016

They are made of non-flammable Nomex® knitted fabric with a long cuff fitted with an adjustable strap with Velcro fastening. They meet the requirements of EN 659 + A1:2008 + AC:2009 - protective gloves for fire-fighters. EC type review certificate issued by the notified body No. 2474 MIRTA-KONTROL d.o.o. and the certificate of admittance issued the notified body No. 1438 CNBOP-PIB,



Fire gloves FHR 002

★ The top quality materials – Nomex®, Kevlar®.
★ The grip made of 100% Kevlar® is additionally covered with non-flammable silicone-carbon coating.
★ Back made of Nomex®.
★ Additional reinforcement of the metacarpal bones.
★ Additional reinforcement of the knuckles.





Main advantages of FHR 002 fire gloves:

★ Very low weight (280 g).
★ The top quality materials (Nomex®, Kevlar®)
★ Resistance to wearing, cuts, tearing and punching.
★ Reinforcement of the knuckles.
★ Functionality and convenience of use.





GLOVES

FHR TECHNICAL

Personal protection equipment of the 2nd category. Protective gloves intended for basic technical rescue operations, protecting against mechanical hazards according to EN 388:2016

CE
2474
OZO220-CPT006/17



EN 388:2016

Technical gloves FHR 010

Protective gloves FHR 010 intended for basic technical rescue operations, protecting against mechanical hazards in accordance with EN 388:2016

Construction:

- ★ The inner side of the glove made partly of goat leather with PU coating
- ★ Finger tips additionally covered with PU coating with anti-slip properties
- ★ The thumb part made of 100% cotton for the absorption of sweat
- ★ 100% Kevlar® lining
- ★ A well-fitted neoprene cuff
- ★ Additives: ring and hook

Thanks to the PU coating, the gloves ensure good grip and finger sensitivity, and the use of Kevlar® fibres in the lining provides extremely high cut resistance.
Available colours: red and black
Available sizes: 6-12

Test results according to EN 388:2016:

- ★ Resistance to abrasion – 3
- ★ Cut resistance – 5
- ★ Tear resistance – 3
- ★ Puncture resistance – 2
- ★ A level of dexterity (EN 420:2003) – 4



CE
2474
OZO220-CPT003/17



EN 388:2016

EN 407:2004

Technical gloves FHR 011

Protective gloves FHR 011 for rescue and search operations, protecting against mechanical hazards according to EN 388:2016 standard and thermal hazards according to EN 407:2004.

Construction:

- ★ Made of heat-resistant leather (cow split)
- ★ The external part of the glove is made of spandex
- ★ Additional inner lining made of aramid fibres (Kevlar®)
- ★ Additives: ring and hook

They protect against heat and cold, and also have breathable properties. They provide high comfort of wearing and extremely good grip and excellent protection against mechanical hazards.
Available colours: black and yellow with red piping
Available sizes: 5-12

Test results according to EN 388:2016:

- ★ Resistance to abrasion – 4
- ★ Cut resistance – 3
- ★ Tear resistance – 4
- ★ Puncture resistance – 4
- ★ A level of dexterity (EN 420:2003) – 4

Test results according to EN 407:2004:

- ★ Burning behaviour – 4
- ★ Resistance to contact heat – 3



CE
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OZO220-CPT004/17



EN 388:2016

Technical gloves FHR 012

Protective gloves FHR 012 of knitted fabric with a silicone coating. Intended for specialist, water rescue or construction industry. They are also used in extreme working conditions and during trainings involving mechanical hazards. They protect against mechanical hazards in accordance with EN 388:2016.

Construction:

- ★ Made of special fibre ensuring better cutting resistance, at the same time providing excellent grip and perfect fit
- ★ The glove palm with latex coating allows a very strong and stable grip, and ensures anti-slip properties
- ★ They have shock-absorbing inserts, velcros and inserts ensuring stability of the gloves during work requiring high precision

Available sizes: 6-12

Test results according to EN 388:2016:

- ★ Resistance to abrasion – 4
- ★ Cut resistance – 4
- ★ Tear resistance – 4
- ★ Puncture resistance – 3
- ★ A level of dexterity (EN 420:2003) – 5



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OZO220-CPT005/17



EN 388:2016

Technical gloves FHR 013

Protective gloves FHR 013 protecting against mechanical hazards in accordance with EN 388:2016.

Construction:

- ★ The inner side of the glove - the hand is made of black Amara knitted fabric, lined for comfort and full protection on the surface with a second layer of soft Amara
- ★ PU anti-slip parts provide high adhesion
- ★ The external part of the glove is made of elastic spandex with rubberised protectors on fingers and hands. The inner lining is made of elastic aramid fibres (Kevlar®) / knitted fiberglass fabric.
- ★ Well-fitting neoprene cuffs with silver reflective inserts
- ★ Additives: ring and hook

Available sizes: 6-12

Test results according to EN 388:2016:

- ★ Resistance to abrasion – 4
- ★ Cut resistance – 3
- ★ Tear resistance – 4
- ★ Puncture resistance – 3
- ★ A level of dexterity (EN 420:2003) – 3





FIREFIGHTER HOOD

FHR 016

CNBOP-PIB
1438
3128/2017

CE
2474
OZO220-CPT008/17

Category 3 personal protective equipment. Intended for firefighting and associated operations. Provides head and neck protection against hot elements and flames. Hood design guarantees easy use and compatibility with air breathing apparatus masks. Close fit cut fills the space between shoulders and helmet, ensuring safety. Additionally, an elongated hood prevents rolling up as well as accidental slipping out. EC type review certificate issued by the notified body No. 2474 MIRTA-KONTROL d.o.o. and the certificate of admittance issued by the notified body No. 1438 CNBOP-PIB.



Firefighter hood FHR 016

Very light, perfectly matched thanks to a 3D cut, which does not cause creases on the top of the head and tightly fills the space between the arms and the helmet. In addition, the lengthened circle scarf prevents rolling up as well as unintended pulling out.

Material structure:

- ★ Two-layered – fibre composition: 93% meta-aramid, 5% para-aramid, 2% antistatic fibre
- ★ Threads: 100% aramid
- ★ Available in a lot of colours, including navy blue and ivory
- ★ Size: universal









TORCH FOR FIREFIGHTERS

ISKRA LED

IEP 14 ATEX 0192
IEP 14 ATEX N 0277

The ISKRA LED torch is designed to be used in fire protectioning areas in danger of gas, vapour, mist (G) and dust (D) explosions. The torch cover is non-flammable, lightweight, and is made of flame-retardant and antistatic thermoplastic. It runs on 4 AA alkaline batteries by Energizer, Duracell or Panasonic. It is designed to be fitted to KZPT firefighter helmets.

Non-flammable firefighter's torch ISKRA LED with ATEX

The torch complies with the requirements of Directive 94/9/EC and the following harmonized standards: EN 60079-0:2009, EN 60079-11:2012, EN 60079-7:2007, EN 60079- 31:2009.

Designation:	II 2G Ex e ib IIB T4 Gb
	II 2D Ex tb IIIC TMax 95°C Db, IP 67
Certificate No.:	IEP 14 ATEX 0192

The flashlight meets the requirements of EN 443:2008 item 4.11 for flame resistance.







Technical parameters:

- ★ Certification – IEP 14 ATEX 0192
- ★ Compliance with Directive – 94/9/EC
- ★ Compliance with standard – EN 60079:2009
- ★ Flame resistance – compliant with standard EN 443:2008 (p.4.1)
- ★ Power – 4 AA alkaline batteries
- ★ Light source – LED light module CREE LED
- ★ Brightness – 120 lm
- ★ Runtime (on 1 set of batteries) – min. 72 h
- ★ Degree of protection – IP 67
- ★ Lighting distance: – approx. 100 m
- ★ Weight – 128g (without batteries)



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