

Intervention

Suit //02

Jacket and Trousers

MODEL: MULTIROL SG-HV

REFERENCE: AVA1347-02

Norms (tested after 50 washes at 60°C)

EN ISO 13688:2013 & EN ISO 13688:2013/A1:2021

Protection Garments. General Requirements.

EN ISO 15384:2020 & EN ISO 15384:2020/A1:2021

Protective clothing for firefighters.

EN ISO 1149-5:2018

Protective clothing. Electrostatic properties

EN ISO 16689:2017

Protective clothing for firefighters. Performance requirements for protective clothing for technical rescue.

UNE-EN ISO 20471:2013

High visibility clothing.

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Designed to perform in extreme conditions, this technical jacket and trouser set sets a new standard in protection. Made from lightweight, high-performance flame-retardant fabric with an FC finish that repels water, oils, and stains. Its full-body design provides protection from neck to ankles without sacrificing comfort. Thanks to its membrane-free construction, it ensures excellent breathability, ideal for extended deployments in emergency environments.

Total ergonomics and freedom of movement

The pattern is designed to ergonomically fit the user's body, providing effective protection and freedom of movement even during extended periods of work in extreme conditions. Thanks to its functional design, the suit ensures a comfortable and secure fit when combined with other personal protective equipment such as helmets, gloves, and boots. The pattern has been optimized to ensure a continuous overlap between the jacket and trousers, as well as with gloves and footwear, even during large movements such as raising arms or legs to overcome obstacles or uneven terrain. Furthermore, it incorporates reinforcements in key areas such as the knees, and adjustable elastic suspenders that naturally accommodate the body's flexion in various working positions.

Safe and comfortable materials

The garments are made with premium materials, free of toxicity and allergens. Areas in contact with the skin are designed to avoid roughness, sharp edges, or protrusions that could cause injury. This ensures a safe and comfortable wearing experience.

Maximum wear and tear resistance

The garment offers high resistance to cuts, tears, and abrasion, making it suitable for extreme conditions and physically demanding work. Its durability allows it to maintain its structural integrity after continuous use in harsh environments.

High visibility

The jacket and trousers are made primarily in black and yellow, incorporating high-visibility yellow. This ensures the wearer is clearly visible in all types of environments. The garment complies with UNE-EN ISO 20471:2013/A1:2017 and is classified as Class 2 high-visibility.



Fabrics

Main fabric composition	Viscose FR 64% Meta - Aramid 30% Para - Aramid 5% Antistatic fibre 1%
Grammage of the main fabric	230 g/m ²
Composition of the reinforcing fabric	Para - Aramid 53% Meta - aramid 45% Antistatic Fiber 2%
Grammage of the reinforcing fabric	240g/m ²
Sizes	XS, S, M, L, XL, XXL, XXXL
Colours	Yellow, black, yellow HV

Jacket features

Secure and functional front closure

The jacket features a concealed central zip closure with a fabric pull, protected by a storm flap secured with fire-retardant Velcro strips. Above the storm flap, at chest level, is a 5 cm x 5 cm Velcro strip (female side) for attaching rank insignia.

Ergonomic pattern making

The garment conforms to the user's body without restricting movement, thanks to an ergonomic design that allows for ample freedom of action during procedures. The pre-shaped elbow pattern provides a better fit in working positions.

Extended protection in key areas

The high, shirt-style collar enhances neck protection. The extended lower back ensures adequate coverage in bent positions. Sleeves feature double cuffs and adjustable Velcro straps.

Strategic reinforcements

The shoulders incorporate reinforcing fabric that increases durability against abrasion and friction during high-performance tasks. The elbows are reinforced with high-strength technical fabric, with cut- and puncture-resistant properties for greater safety in extreme situations.

Adjustable cuffs and waistband

The cuffs feature a Velcro closure system for a secure fit around the wrist. The lower part of the jacket incorporates an internal elastic band that allows for adjustable tension and improves the overall seal.

Functional and accessible pockets

The jacket features multiple pockets optimized for operational use:

2 upper front pockets: the left one, of multipurpose type, with gussets and a Velcro flap, designed to hold radios; the right one, with closure by means of an external Velcro flap located above the front flap for user identification by name/surname.

2 lower pockets: spacious and easily accessible, designed for storing masks, gloves, or other accessories. Bottom and gusset made with high-resistance fabric to prevent wear and tear.

All pockets incorporate textile pull tabs for easy opening and closing with gloves.

Anchor loops

Located on both yokes, at shoulder height, designed to hold the microphone-speaker clip of the radio, with double safety stitching for greater strength.

High visibility

The garment incorporates two segmented reflective strips, 5 cm wide, on the lower torso and two on each sleeve, in silver-gray. These strips are heat-sealed to ensure visibility from any angle.



Trousers features

Ergonomic pattern making and total mobility

The trousers incorporate a crotch panel that improves leg rotation and knee elevation. The ergonomic cut and pre-shaped knee darts promote flexion and movement, even in seated, kneeling, and other common rescue and emergency positions.

Knee reinforcement

The knees are reinforced with a 100% Kevlar aramid outer fabric and have an inner cut-resistant layer to protect the joint and provide some padding. An additional foam insert can be added or removed inside via a Velcro opening for extra cushioning.

Buttock and ankle reinforcement

The back panel includes reinforcement in the gluteal area, made with the same technical fabric as the ankle reinforcements. This fabric improves abrasion resistance during dragging, standing, or moving across uneven surfaces, thus increasing the garment's durability.

Versatile closure and adjustment system

The fly features a zipper and a storm flap with a fire-retardant Velcro closure. The waistband has a concealed button closure for a secure and quick fit. The hems include a Velcro strip for a better fit over boots.

Waistband and functional belt loops

It has five belt loops, evenly spaced, with one centered at the back. The loops allow the use of external belts or attached equipment.

Detachable suspenders

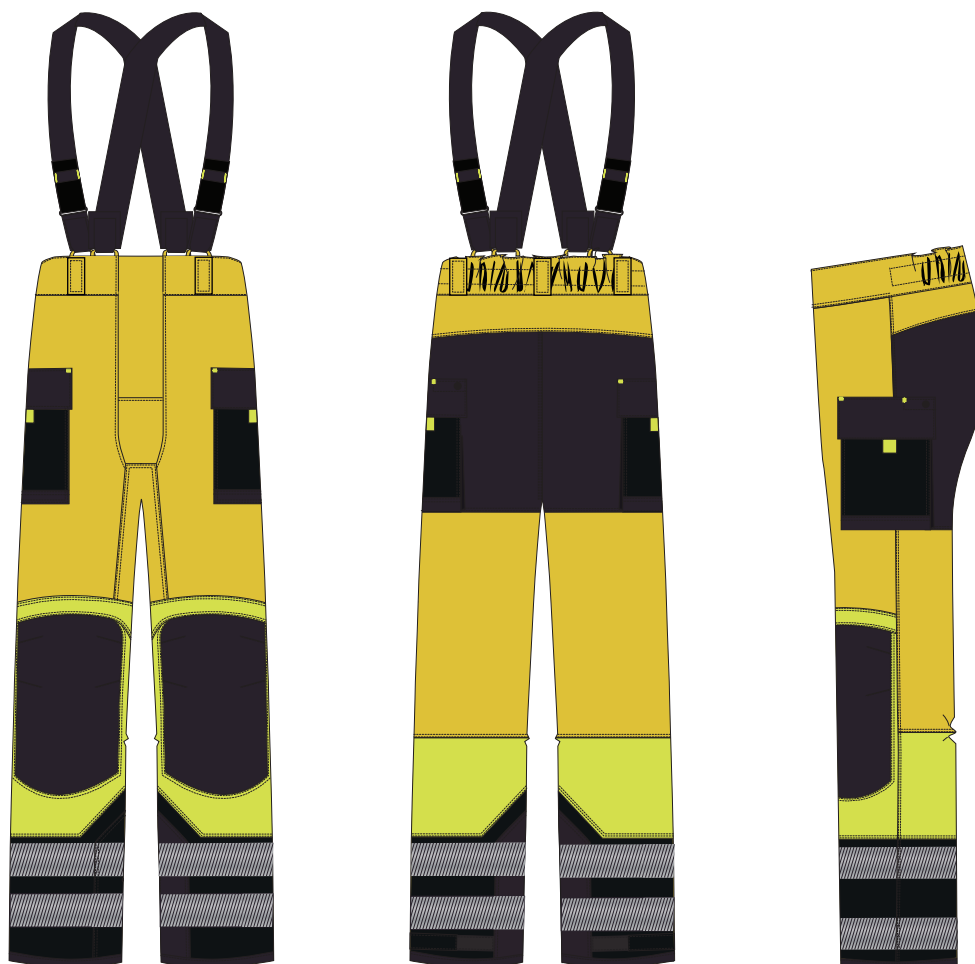
It includes an optional elastic suspender system, secured with Velcro textile loops. These adjustable, black suspenders feature a back crossover and buckles for tension adjustment. They are designed for easy removal when needed.

Large and accessible pockets

The trousers feature two cargo pockets, one on each leg, positioned above the knee reinforcements. Each pocket has a gusset at the back and bottom. They close with a flame-retardant Velcro flap and include a textile pull tab for easy access while wearing gloves. The bottom and gusset are made of high-resistance fabric to prevent wear and tear.

High visibility and signage

Each leg includes two horizontal, heat-sealed, segmented reflective strips, 5 cm wide, in silver-gray, positioned between the knee and ankle. They are 5 cm apart and completely encircle each leg, ensuring visibility from any angle.



Rescue Set Sizes

Chaqueta / Jacket	XS	S	M	L	XL	XXL	XXXL
Circunferencia pecho / Chest circumference	92-96	96-100	100-104	104-108	108-115	115-120	120-126
Altura total usuario / User's total height	160-165	165-172	172-178	178-184	184-190	190-196	196-200

*Sizes defined according to the criteria of ISO 13688:2013 / All measurements are in centimeters

Pantalón / Pants	XS	S	M	L	XL	XXL	XXXL
Circunferencia cintura / Waist circumference	73-78	78-82	82-86	86-92	92-98	98-104	104-112
Altura total usuario / User's total height	160-165	165-172	172-178	178-184	184-190	190-196	196-200

*Sizes defined according to the criteria of ISO 13688:2013 / All measurements are in centimeters

Medidas detalladas

Chaqueta / Jacket	XS	S	M	L	XL	XXL	XXXL
A Ancho pecho / Chest width	56	58	61	64	68	72	74
B Ancho cadera / Hip width	51,5	53,5	56,5	59,5	63,5	67,5	69,5
C Largo delantero / front length	66	68	70	72	74	76	76
D Largo manga / Sleeve length	80	81,5	82,5	83,5	85	86,5	87,5

*Sizes defined according to the criteria of ISO 13688:2013 / All measurements are in centimeters

Pantalón / Pants	XS	S	M	L	XL	XXL	XXXL
H Ancho cintura / Waist width	36	38	40	42	45	48	51
I Largo total pierna / Total leg length	102	104	106	108	110	112	113
J Largo interior pierna / Inside leg length	78	79,5	81	82,5	84	85,5	85,5

*Sizes defined according to the criteria of ISO 13688:2013 / All measurements are in centimeters

