

# FALL PROTECTION



**V-FORM Full Body Harness Steel Hardware, Back & Chest D-Ring, Qwik-Fit Leg Buckles**

- Frontal & Dorsal D-Ring attachment
- Unique racing style design creates an athletic cut, contouring the harness to the body and improving upper torso movement on the job
- Pull-down 4 -point adjustment quick and easy for right fit and comfort for extended usage
- Color-contrasting thigh and torso straps simplify donning
- Dual load indicator to alert you when the harness has been involved in a fall event
- Web finials prevent fraying on web ends for additional durability
- Come with a sub-pelvic strap for extended comfort
- A Velcro® cover protects harness label



**GRAVITY Suspension Full Body Harness, Black**

- 8 adjustment points for perfect sizing and fit
- Fold back hip D-rings that allow users to reduce possible snag hazards
- Gravity Suspension versions available with comfort shoulder padding
- Tool loops with internal rigid supports to make connection of tools easier
- Tool loops on leg straps provide more tool holding options, and if are not needed may be cut off
- All versions include waist and leg padding to improve suspension comfort
- Quick adjusting buckles allow one hand tightening and loosening
- Elastic web keepers provide flexibility to manage excess webbing
- D-rings available at Ventral (waist), Sternal, Hip and Back locations
- Waist pad with dual layer construction to reduce pressure during suspension
- Fall arrest rated Sternal and Back D-ring
- Carabiner with 3,600lb (16kN) gate strength
- Bayonet style buckles available with locking engagement window to confirm secure connection
- Bayonet buckles with undercut engagement, which prevents both tabs from disconnection while under tension

Brand	Product Code & Size	Standards
MSA	10205336 (Small)	EN 361:2002 Maximum weight: 140 kg
	10205337 (Medium/Large)	
	10205338 (Extra Large)	

Brand	Product Code & Size	Standards
MSA	10150441 (Small)	EN 361:2002
	10150442 (Medium)	EN 358:1999
	10150443 (Large)	EN 813:2008 Maximum weight: 140 kg



### Body Harness with 1 Dorsal D-Ring and 2 Chest Attachment Textile Loops for Fall Arrest

- Attachment Elements - 2 chest attachment textile loops and a dorsal attachment D-Ring for fall arrest
- Adaptability - Adjustable shoulder and thigh-straps
- Convenience - Shoulder and thigh-straps differentiated by a dual colour scheme
- Ergonomics - Ideally positioned sit-strap for extended comfort
- Compliance - Conforms to EN 361:2002
- Can be used by a user with a maximum weight of 140 kg
- Size : Universal
- Weight : 1 kg
- Strap material : Polyester
- Buckles material : Steel
- HS Code : 6307 20 90

Brand	Sizes	Standards
KRATOS SAFETY	Universal	EN 361:2002 Maximum weight: 140 kg

#### Product Code

FA1010400



### Suspension Body Harness with Work Positioning Belt

- Attachment Elements - 1 dorsal D-Ring, 1 sternal D-Ring, 1 ventral D-Ring and 2 lateral D-Rings
- Adaptability - Adjustable shoulder, thigh straps and waist belt
- Convenience - Shoulder, thigh and belt straps are provided with combination buckles for easy adjustment. 4 tool-holding webbing loops & 3 tool-holding rings for keeping extra karabiners and accessories
- Size : Universal
- Weight : 1.95 kg
- Strap material : Polyester
- D-Rings & Buckles material : Steel
- HS Code : 6307 20 90

Brand	Sizes	Standards
KRATOS SAFETY	Universal	EN 361:2002 EN 358:1999 EN 813:2008 Maximum weight: 140 kg

#### Product Code

FA1021300





**Harness FLY'IN 3 - 1 Dorsal & 1 Sternal D-Ring for Fall Arrest, 1 Ventral D-Ring for Rope Access and 2 Lateral D-Rings for Work Positioning**

- Attachment Elements - 1 Dorsal & 1 Sternal D-Ring for Fall Arrest, 1 Ventral D-Ring at waist level in front for Rope Access & 2 lateral D-Rings at waist level on the sides for Work Positioning
- Adaptability - Adjustable shoulder, thigh-straps and waist belt.
- Convenience - Shoulder straps and thigh straps are provided with automatic buckles & waist strap has combination buckles for easy adjustment
- 2 tool holder loops & an extra bigger handle at the back for keeping extra karabiners and accessories. Web Keepers on shoulder straps have been provided for easy placement of free lanyards
- Easy putting-on and removal thanks to an aluminium triple action-locking karabiner - Keylock type (FA 50 302 22B) placed right above the ventral attachment point
- Ergonomics - Ideally positioned elasticated straps for extended comfort. Specially cushioned mesh net has been used for better shock absorption & comfort of the user
- Compliance - Conforms to EN 361:2002, EN 358:2000 & EN 813 : 2008
- Can be used by a user with a maximum weight of 140 kg

- Size : S - XXL
- Weight : 2.26 kg
- Strap material : Polyester
- Buckles material : Steel
- HS Code : 63072090

Brand	Standards
KRATOS SAFETY	EN 361:2002
	EN 358:1999
	EN 813:2008
	Maximum weight: 140 kg

Product Code & Size
FA1020200 (S - L)
FA1020201 (L - XXL)





### Restraint Kernmantle Rope Lanyard length 2 mtr with a Steel Snap Hook at one end and a Steel Scaffold Hook at the other end

- Length : 2 mtr
- Connectors : 1 steel snap hook FA5020217 at one end and 1 steel scaffold hook FA5020755 at the other end
- Breaking strength : 22 kN
- Conforms to : EN354:2010
- HS Code : 5607 50 90
- Made up of 11 mm diam polyamide kernmantle rope
- Abrasion resistant thimble to protect the loops from being damaged by metallic contact
- Sewing protected with a strong transparent covering sleeve which not only protects the end, but also make the stitches visible for easy inspection before the use

Brand	Product Code	Standards
KRATOS SAFETY	FA4050320	EN354:2010



### Forked Kernmantle Rope Lanyard length 1.50 mtr with 1 Steel Snap Hook at one end and 2 Steel Scaffold Hooks at the other ends

- Length : 1.50 mtr
- Connectors : 1 steel snap hook FA 50 202 17 at one end and 2 steel scaffold hooks FA 50 207 55 at the other ends
- Breaking strength : 22 kN
- Conforms to : EN354:2010
- HS Code : 5607 50 90
- Made up of 11 mm diam polyamide kernmantle rope
- Abrasion resistant thimble to protect the loops from being damaged by metallic contact
- Sewing protected with a strong transparent covering sleeve which not only protects the end, but also make the stitches visible for easy inspection before the use

Brand	Product Code	Standards
KRATOS SAFETY	FA4060015	EN354:2010



**Work Positioning Lanyard with Aluminium rope-grab adjuster, Alu twist lock carabiners, 30cm long protective covering sleeve**

- 12mm Kernmantle rope
- A 30cm long protective covering sleeve
- A light weight Aluminium rope-grab adjuster
- Alu twist lock carabiners
- Maximum length is 2.0m

Brand	Product Code	Standards
MSA	10185620	EN358:1999



**Work Positioning Twisted Rope Lanyard with Grip Adjuster Maximum Length 2 mtrs with 1 Steel Screw-Locking Carabiner and 1 Steel Snap Hook**

- Maximum length : 2 mtrs
- Connectors : 1 steel screw-locking karabiner FA 50 101 17 and 1 steel snap hook
- Conforms to : EN358:1999
- HS Code : 5609 00 90
- Made up of 14 mm diam polyamide twisted rope
- Abrasion resistant thimble to protect the loops from being damaged by metallic contact
- Spliced end is protected with a strong transparent covering sleeve
- Colored tracer strand losing colour to show the lanyard is unfit for use
- Stainless steel rope grab adjuster for an easy "one hand" length adjustment

Brand	Product Code	Standards
KRATOS SAFETY	FA4090420	EN358:1999



### V-SERIES Standard Twin-leg Adjustable Energy Absorbing Lanyard, 6' (1.8m), Scaffold Hooks

- Connecting device from Body Harness to suitable anchorage
- Energy Absorber limits force both on the body and anchor in event of a fall
- Clear, durable protective cover on the labels to increase service life, and allow for easy inspection
- Large Scaffold Hooks at both ends allows connection to variety of structures
- Adjustable to limit fall arrest distance and for Fall Restraint applications
- Twin-leg for 100% connection when transferring between anchorage points

Brand	Product Code	Standards
MSA	10191758	ANSI Z359.13-2013 OSHA Capacity: 130 - 310lb (59-140kg)



### V-SERIES Stretch Twin-leg Energy Absorbing Lanyard, 6' (1.8m), Scaffold Hooks

- Connecting device from Body Harness to suitable anchorage
- Energy Absorber limits force both on the body and anchor in event of a fall
- Bungee style legs reduces snag or trip hazards on the job
- Clear, durable protective cover on the labels to increase service life, and allow for easy inspection
- Large Scaffold Hooks at both ends allows connection to variety of structures
- Additional cover on energy absorber provides improved protection of label
- Twin-leg for 100% connection when transferring between anchorage points

Brand	Product Code	Standards
MSA	10193555	ANSI Z359.13-2013 OSHA Capacity: 130 - 310lb (59-140kg)





**Forked Eenergy Absorbing Webbing Lanyard  
Length 1.80 mtr with a Steel Screw-Locking  
Carabiner at one end and a Steel Scaffold Hook  
at the other ends**

- Energy absorber in 35 mm wide webbing to reduce the impact of the fall (less than 6 kN)
- Made up of 30 mm wide polyester webbing lanyard
- Loops protected by an abrasion resistant tubular webbing
- Length : 1.80 mtr
- Connectors : 1 steel screw-locking karabiner FA5010117 at one end and 2 steel scaffold hooks FA5020755 at the other ends
- Conforms to : EN355:2002 and tested as per VG11 of PPE Directive 89/686/EEC
- HS Code : 5609 00 90
- Fall indicator label: Before each use, inspect your energy absorbing lanyard

Brand	Product Code	Standards
KRATOS SAFETY	FA3040018	EN355:2002



**Energy absorbing expandable lanyard length  
2 mtr with an aluminium screw-locking  
karabiner and two aluminium scaffold hooks**

- Expanded length : 2 mtr
- Relaxed length : 1.40 mtr
- Connectors : 1 aluminium screw-locking karabiner FA 50 105 22B and 2 aluminium scaffold hooks FA 50 218 60
- HS Code : 5609 00 90
- Energy absorber in 45 mm wide webbing to reduce the impact of the fall (less than 6 kN)
- Made up of 45 mm wide polyester expandable webbing lanyard
- Loops protected by an abrasion resistant tubular webbing

Brand	Product Code	Standards
KRATOS SAFETY	FA30100020	EN355:2002



### V-TEC™ Mini Personal Fall Limiter, 1.8m Webbing, Single-leg, Aluminum Scaffold Hook, Steel Carabiner (top)

- Connecting anchorage with Body Harness, for single anchorage application
- Most compact & lightweight Self-Retracting Lanyard
- World's first multiple spring radial energy absorbing technology
- Integral energy absorber, completely sealed from external contaminants
- Structurally reinforced pawl mechanism
- Durable components manufactured from high-grade stainless steel and high impact resistant engineered plastics
- Transparent Polycarbonate housing allows for easy visual inspection of critical internal components
- 360 fully rotating attachment point for complete flexibility
- 400 lbs. (141 kg) worker capacity

Brand	Product Code	Standards
MSA LATCHWAYS	63011-00AEU	EN360:2002



### V-TEC™ Mini Personal Fall Limiter, 1.8m Webbing, Twin-leg, Aluminum Scaffold Hooks

- To be attached onto Body Harness for Twin-Leg 100% connection to anchorage, required when transferring between anchorage points
- Most compact & lightweight Self-Retracting Lanyard
- World's first multiple spring radial energy absorbing technology
- Integral energy absorber, completely sealed from external contaminants
- Structurally reinforced pawl mechanism
- Durable components manufactured from high-grade stainless steel and high impact resistant engineered plastics
- Transparent Polycarbonate housing allows for easy visual inspection of critical internal components
- 360 fully rotating attachment point for complete flexibility
- 400 lbs. (141 kg) worker capacity

Brand	Product Code	Standards
MSA LATCHWAYS	63111-00AEU	EN360:2002



**V-TEC™ Personal Fall Limiter, 3m Webbing, Single-Leg, Steel Snaphook, Steel Carabiner (Top)**

- Connecting anchorage with Body Harness, for single anchorage application
- Most compact & lightweight Self-Retracting Lanyard
- World's first multiple spring radial energy absorbing technology
- Integral energy absorber, completely sealed from external contaminants
- Structurally reinforced pawl mechanism
- Durable components manufactured from high-grade stainless steel and high impact resistant engineered plastics
- Transparent Polycarbonate housing allows for easy visual inspection of critical internal components
- 360 fully rotating attachment point for complete flexibility
- 400 lbs. (141 kg) worker capacity

Brand	Product Code	Standards
MSA LATCHWAYS	63013-00BEU	EN360:2002



**Retractable Fall Arrester with Polymer Casing and Webbing Lanyard Length 2.50 metres, 1 Steel Snap Hook and 1 Steel Scaffold Hook**

- EMaxi length : 2.50 mtr
- Webbing width : 50 mm
- Weight : 1.70kg
- Breaking strength : > 15 kN
- Connector : 1 steel snap hook FA 50 202 17 and 1 steel scaffold hook FA 50 207 55
- HS Code : 8428 90 90
- Conforms to : EN360:2002
- Incorporates a protective casing and an energy absorber (45 mm) with a steel snap hook FA 50 202 17 as attachment element for harness and a steel scaffold hook FA 50 207 55 as attachment element for anchorage point

Brand	Product Code	Standards
KRATOS SAFETY	FA2030302	EN355:2002





### HELIXON Wire Eope, Retractable Fall Arrester 3.50 m, for Vertical Use only

- Robust & durable polymer casing, equipped with: a carrying handle, a window, that can be easily removed for reaching the internal mechanism, in order to inspect it without totally opening the casing
- Comes with Galvanized Steel Wire Rope of diam 4.5 mm, having: a connector ref. FA 50 203 20 with load indicator, a gripping handle
- Internal braking mechanism to reduce the fall arrest force to less than 6 kN
- Swivel and FA 50 101 17 connector at anchorage end
- Weight: 1.88 kg
- Compliance: EN 360:2002
- Minimum breaking strength > 12 kN
- Approved for a user with a max. weight of 140 kg in vertical use only
- HS Code: 8428 9090

Brand	Product Code	Standards
KRATOS SAFETY	FA2040203B	EN360:2002



### V-TEC™ Self-Retracting Lifeline, 6m Stainless Steel Cable, w Swivel Snaphook

- Connecting anchorage with Body Harness, for single anchorage application
- Completely field-serviceable with minimal components
- Precision-made spring radial energy absorber that requires zero calibration or adjustment
- Retraction dampening feature controls cable retraction speeds to <3m/s; prevents wire from snapping back at high speeds when released, causing device damage, wire seizure and pre-mature load indicator activation
- Durable and inherently corrosion resistant components manufactured from high-grade stainless steel and high impact resistant engineered plastics
- Transparent Polycarbonate housing allows for easy visual inspection of critical internal components
- 360 fully rotating attachment point for complete flexibility
- For Vertical Use Fall Arrest Applications only
- 400 lbs. (141 kg) worker capacity

Brand	Product Code & Length	Standards
MSA	63306-00AEU (6m)	EN360:2002
	63310-00AEU (10m)	
	63315-00AEU (15m)	



V-EDGE™ Leading Edge Self-Retracting Lifeline, Galvanized Cable, w Swivel Snaphook

- Connecting anchorage with Body Harness, for single anchorage application
- Can be used for Horizontal and Leading Edge Fall Arrest applications
- Specifically engineered and tested for use at foot level tie off, meets 360: 2002 & VG11 sheet 60 Leading Edge requirements
- Additional energy absorber absorbs extra fall impact force from horizontal / leading edge fall, further protecting user
- Integrated roll cage (patent-pending) protects housing during horizontal applications and enables smoother movement
- Completely field-serviceable with minimal components
- Precision-made spring radial energy absorber that requires zero calibration or adjustment
- Retraction dampening feature controls cable retraction speeds to <3m/s; prevents wire from snapping back at high speeds when released, causing device damage, wire seizure and pre-mature load indicator activation

- Durable and inherently corrosion resistant components manufactured from high-grade stainless steel and high impact resistant engineered plastics
- Transparent Polycarbonate housing allows for easy visual inspection of critical internal components
- 360 fully rotating attachment point for complete flexibility
- 400 lbs. (141 kg) worker capacity

Brand	Standards
MSA	EN360: 2002 & VG11 sheet 60 Leading Edge requirements

Product Code & Length
63406-00AEU (6m)
63410-00AEU (10m)
63415-00AEU (15m)



### HELIXON Wire Rope, Retractable Fall Arrester, for Vertical Use only

- Robust & durable polymer casing, equipped with: a carrying handle, a wire rope-cleaning brush, a window, that can be easily removed for reaching the internal mechanism, in order to inspect it without totally opening the casing
- Comes with Galvanized Steel Wire Rope of diam 4.5 mm, having: a connector ref. FA 50 203 20 with load indicator, a gripping handle
- Internal braking mechanism to reduce the fall arrest force to less than 6 kN
- Swivel and FA 50 101 17 connector at anchorage end
- Weight: 3.41 kg
- Delivered with a cord (FA 20 904 07) for guiding the winding back of the wire rope
- HS Code : 8428 9090
- Compliance: EN 360:2002.
- Minimum breaking strength > 12 kN.
- Approved for a user with a max. weight of 140 kg in vertical use only

Brand	Product Code & Length	Standards
KRATOS SAFETY	FA2040207B (7m)	EN360:2002
	FA2040210B (10m)	
	FA2040215 (15m)	
	FA2040220 (20m)	



### OLYMPE Retractable Fall Arrest with Polymer Casing and Galvanized Steel Wire rope

- Length : 25 mtr
- Weight : 12.32 kg
- Wire rope diameter : 4.8 mm
- Breaking strength : > 12 kN
- Connectors : 1 steel screw karabiner FA 50 101 17 and a steel snap hook FA 50 203 20
- HS Code : 8428 90 90
- Conforms to : EN360:2002
- Approved for a user with a max. weight of 140 kg in vertical use. Olympe cable. Casing made up of high impact strength Polymer, to prevent breakage and is nearly indestructible
- Comes with galvanized steel wire rope of diam 4.8 mm. FA 50 101 17 at anchorage end and FA 50 203 20 at attachment end

Brand	Product Code & Length	Standards
KRATOS SAFETY	FA2040025 (25m)	EN360:2002
	FA2040030 (30m)	





Latchways Sealed Self-Retracting Lifeline, Stainless Steel Cable

- Specifically designed for use in harsh environments such as Oil Rigs, Wind Turbines and other offshore applications
- Completely field servicable with simple tools and modular parts, eliminating costly down-time servicing, repair cost
- Patented, frictionless braking Constant Force technology which does not go out of adjustment or require recalibration for the product's lifespan
- Ingress Protection IP68 - verified internal components are dusttight
- Ingress Protection IP69K - verified internal components sealed against high pressure, high temperature, wash-down operations
- Accelerated corrosion testing - exposed to ~2,000 hours of salt spray
- Components and braking wear test for 20,000 full extended cycles times
- ATEX Assessed for use in explosive atmospheres (BS EN 13463-1:2001 and EN 13463-5: 2003 equipment group II, category 2 ( II 2 G c IIC T6)
- Built-in reserve line provides backup means for fall arrest even when the cable is fully extended
- Carry handle has been tested for use as secondary retention point, as an additional backup connection

Brand	Standards
MSA LATCHWAYS	BS EN 360:2002 AS/NZS 1891.3 ANSI Z359.14-2012 OSHA 1910.66 OSHA 1926.502 CSA Z259.2.2-98 IP68 & IP69K ATEX Assessed for use in explosive atmospheres (BS EN 13463-1:2001 and EN 13463-5: 2003 equipment group II, category 2 ( II 2 G c IIC T6)

Product Code & Length
62810-00UK (9m)
62816-00UK (15m)
62826-00UK (25m)
62841-00UK (40m)



### Workman® Confined Space Kit

- Allow for non-entry rescue of a confined space entrant and great portability
- Lift and lower materials and personnel via the hoist while having the ability to use an SRL

Kit contains the following:

- 2 unit Carabiner (P/N 10089207)
- 2 unit Pulley (P/N 506222)
- 1 unit Workman Rescuer 50 ft. (16 m) (P/N 10158178)
- 1 unit Workman Winch 65 ft. (20 m) (P/N 10147301)
- 1 unit Workman Tripod (P/N 10102002)

Brand	Product Code	Standards
MSA	10163033	ANSI 359.1, EN 795 OSHA Approval



### Workman® Tripod, 8ft (2.4m)

- Aluminium leg and head design reduces weight, improving portability
- Telescoping legs (up to 8 ft. high) do not tangle when unit is collapsed for easier transportation and storage
- Skid-resistant feet with built in leg base support strap that improves stability and strengthens entire system
- 4" incremental adjustments with cut resistant pin retention chains to enable extended service life
- Internal leg locking mechanism prevents accidental disengagement during use and reduces possibility of damage to mechanism during use or while in storage
- Max. Personnel Capacity - 400 lbs / 182 kg
- Max. Material Capacity - 620 lbs / 280 kg
- Min. Vertical Strength - 5,000 lbs / 2,268 kg

Brand	Product Code	Standards
MSA	10102002	ANSI Z359.1



**Workman® Winch, Stainless Steel Cable, 65' (20m)**

- Used with the Tripod, Workman Winch has been designed for lifting, lowering, and positioning of personnel and materials and allows for non entry rescue of a confined space entrant
- Maximum Work Load:  
ANSI/OSHA: 180kg (personnel), 280 kg (materials)  
EN: 140 kg for personnel, 225 kg for materials
- Maximum Fall Arrest Force - 6kN
- Double Braking System provides secondary protection
- Built in Energy Absorber limits fall arrest force below 6kN
- Clutched drive to prevent winch overload and reduce the possibility of injury to a person if caught on a structural member during lifting
- Robust Thermoplastic Housing protects internal components from damage and corrosion
- Level wind mechanism for a tangle-free cable drum
- Self-locking swivel 36C snaphook

Brand	Product Code	Standards
MSA	10147301	ANSI Z359.1 compliant & OSHA compliant EN ISO 12100 2010 Safety of machinery EN1496 Class B



**Workman® Rescuer, Stainless Steel Cable, 50ft (15m)**

- Fall protection with integral bi-directional retrieval capability
- Ability for Fall Arrest then retrieval of fallen worker to ascend or descend to a safe location
- User capacity up to 400 lbs. (140 kg according to EN approval) for personnel
- Galvanized or stainless steel 3/16" (5 mm) wire rope
- Integral mounting bracket
- Color-coded switch for retrieval mechanism activation
- Ergonomic, stainless steel carrying handle can also be used as anchorage connection point
- Built-in shock absorber
- Robust aluminum housing with thermoplastic bumpers
- Self-locking swivel snaphook with load indicator
- Stow-able, foldable crank handle

Brand	Product Code	Standards
MSA	10158178	OSHA regulations ANSI Z359.14 CSA Z259.2.2





### Pulley, for use with Workman Tripod

- Length : 107mm / 4.213"
- Width : 153mm / 6.024"
- Height : 39mm / 1.535"
- Weight : 0.868kg / 1.914 lbs

Brand	Product Code
MSA	506222



### Steel Carabiner, 1" Gate Opening, Auto-Locking, for use with Workman Tripod

- Length : 122mm / 4.803"
- Width : 82mm / 3.228"
- Height : 19mm / 0.748"
- Weight : 0.316kg / 0.697 lbs

Brand	Product Code	Standards
MSA	10089207	ANSI Z359.12



**Tripod with 7 Feet Maxi Height for Access in Confined Spaces**

- Adjustable height: from 1.15 m to 2.15 m
- Wheelbase: from 1.08 m to 1.62 m
- Weight: 13 kg
- Maximum Load Capacity : 500 kg under head / 250 kg on leg
- Conforms to : EN795:2012 type B, ATEX Directive 2014/34/EU, Machinery Directive, EN 1808
- HS Code : 7616 9990 99
- With two mounted pulleys at the head of the Tripod in the extension of the main leg for passing a cable
- Having two auxiliary eye bolts as attachment points
- Aluminum alloy cast head, legs in aluminium
- Steel support-shoes provided with rubber sole to increase friction and impart more stability
- Strength of anchorage point greater than 12 kN
- Every Tripod is provided with inbuilt fixture for attaching our winches FA 60 003 20 / FA 60 003 30 / FA 60 023 20 / FA 60 023 20R
- Every Tripod is provided with Tripod Bag

**Rescue and Work Winch for FA6000100 Tripod**

- To be used for raising or lowering of personnel or material into confined spaces
- Minimum working load: 60 kg.
- Safe working load as per EN1496: 135 kgs
- Maximum working load as per Machinery Directive: 250 kgs
- Length : 20 mtr, 30 mtr
- Galvanized cable diam : 4.8 mm
- HS Code : 8425 19 20
- Equipped with bolting fixture for robust fitting on to the Tripod (FA 60 001 00 or FA 60 002 00)
- Conforms to : Machinery Directive 2006/42/EC, EN 1496:2017 Class A, EN 13157:2004, ATEX Directive 2014/34/EU

Brand	Product Code	Standards
KRATOS SAFETY	FA6000100	EN795:2012 type B ATEX Directive 2014/34/EU Machinery Directive EN 1808

Brand	Product Code & Length	Standards
KRATOS SAFETY	FA6000320 (20M) FA6000330 (30M)	Machinery Directive 2006/42/EC EN 1496:2017 Class A EN 13157:2004 ATEX Directive 2014/34/EU



### OLYMPE cable, Retractable Fall Arrester with Integrated Rescue Winch

- Wire rope diameter: 4.5 mm
- Length: 20 mtr, 30 mtr
- Weight: 9.20 kg (20M), 14.80 kg (30M)
- Breaking strength: > 12 kN
- Connectors: Swivel and FA 50 101 17 at anchorage end, FA 50 203 20 connector with load indicator at attachment end
- HS Code: 8428 90 90
- Conforms to: EN360:2002, EN1496:2017 class B, ATEX Directive 2014/34/EU
- Approved for a user with a max. weight of 140 kg in vertical use. Olympe cable, Casing made up of high impact strength Polymer, to prevent breakage
- Comes with Galvanized Steel Wire Rope of diam 4.5 mm. FA 50 101 17 at anchorage end and FA 50 203 20 at attachment end
- Integrated recovery system, the device can be adapted on our TRIPOD (FA 60 001 00 or FA 60 002 00) through the Kit FA 60 001 03, as well as on MultiSafeWay (FA 60 022 00) through the plate FA 60 022 04

Brand	Product Code & Length	Standards
KRATOS SAFETY	FA2040120 (20M)	EN360:2002
	FA2040130 (30M)	EN1496:2017 class B ATEX Directive 2014/34/EU



### Tripod Adaptation Kit for Retractable Fall Arrester with Integrated Rescue Winch

- Kit including:
  - 1 anchor plate: to be fixed to the Tripod (FA 60 001 00 or FA 60 002 00) through safety pins or screws & bolts
  - 1 Aluminium pulley with stainless steel sheaves FA 70 016 01,
  - fastenings for temporary installation (2 solid locking pins) and for permanent installation (2 Hex head bolts, 2 Nylock nuts, 2 plain washers)
  - 1 steel screw-locking karabiner FA 50 101 17
- Compliance: EN12278 (pulley) / EN362 (karabiner)
- Material of the components:
  - Pulley: body: Aluminium
  - Sheaves: Stainless steel
  - Plate: Steel
  - Connector and screws: Steel
- HS code : 7610 90 10

Brand	Product Code & Part	Standards
KRATOS SAFETY	FA6000103 (for FA2040120)	EN12278 (Pulley)
	FA6000102 (for FA2040130)	EN362 (Karabiner)



Stretch Lanyard for Connecting Tools

- Stretch lanyard for connecting tools to a tool-holding point on the harness or belt of the user
- Max. length: 1.3 m
- Width: 14 mm
- Material: Polyester
- Weight : 0,044 kg.
- Has an Aluminium karabiner, gate opening 15 mm
- Length of the cord: 340 mm. Has a pull-cord blocker
- Recommended for attaching tools of 5 kg max
- HS Code: 56090000

Brand	Product Code
KRATOS SAFETY	TS9000100



Stretch Lanyard for Connecting Heavy Tools

- Stretch lanyard for connecting heavy tools such as chainsaw, portable tools, to a tool-holding point on the harness or belt of the user
- Max. length : 1,30 m
- Width : 33 mm
- Material : Polyester
- Weight : 0,130 kg
- Has a steel ring (inside diam. 38 mm) for connecting to a tool-holding hook on the harness or belt of the user
- Has a steel D-ring at one end for connecting to the harness of the user
- Length of the loop : 130 mm, for attaching the chainsaw
- Recommended for attaching tools of 10 kg max
- HS Code: 56090000

Brand	Product Code
KRATOS SAFETY	TS9000101



Forked Stretch Lanyard for Connecting Tools

- Forked stretch lanyard for connecting tools to a tool-holding point on the harness or belt of the user
- Max. length : 1,30 m
- Width : 14 mm
- Material : Polyester
- Weight : 0,066 kg
- Has an Aluminium karabiner, gate opening 15 mm
- Length of the cord: 340 mm. Has a pull-cord blocker
- Recommended for attaching 2 tools of 5 kg max. each
- HS Code: 56090000

Brand	Product Code
KRATOS SAFETY	TS9000102





### Attachment D-ring

- Attachment D-ring with integrated webbing
- The webbing has a 60 mm passage
- Length : 100 mm
- Webbing width : 25 mm
- Material : Polyester
- Weight : 0,034 kg
- Has a steel D-ring (inside diam. 22 mm)
- This D-ring can be installed on a belt, and allows creating a tool-holding point on the belt
- It can also be installed on tools (with the help of self-merging rubber tape), allowing to create an attachment point on the tool (for unperforated tools)
- Recommended for attaching tools of 10 kg max., only 2 kg max. when used with self-merging rubber tape
- HS Code: 56090000

Brand	Product Code
KRATOS SAFETY	TS9000104



### Self-Merging Rubber Tape

- Self-merging rubber tape, which bonds to itself under pressure on any surface
- Width 25.4 mm x Length 3 m
- Material: Silicone
- Recommended for attaching tools of 2 kg max. when used with the attachment D-ring TS 90 001 04

Brand	Product Code
KRATOS SAFETY	TS9000105



### Stretch Lanyard with Integrated Carabiners for Connecting Tools

- Stretch lanyard for connecting tools to a tool-holding point on the harness or belt of the user, or on a structure
- Max. length : 1 m
- Width : 14 mm
- Material : Polyester
- Weight : 0,077 kg
- Has 2 Steel screw-locking karabiners, gate opening 8 mm
- Recommended for attaching tools of 5 kg max
- HS Code: 56090000

Brand	Product Code
KRATOS SAFETY	TS9000106



Personal Rescue Device (RH2 Model) with Large Harness

- Innovative and patented technology - easy and efficient solution for post Fall Arrest Rescue Plan
- Controlled descent device that can be Self-Activated after Fall Arrest, eliminating need for mobilizing rescue personnel and equipment
- Improves user safety by eliminating risk of trauma suspension
- Lightweight and unobtrusive integrated full body harness system, without need of additional devices and always attached on user during Work At Height activities
- Integral braking mechanism controls descend rate to 0.5-2 m per second
- Simple to use for easy and efficient rescue - just by pulling the cord

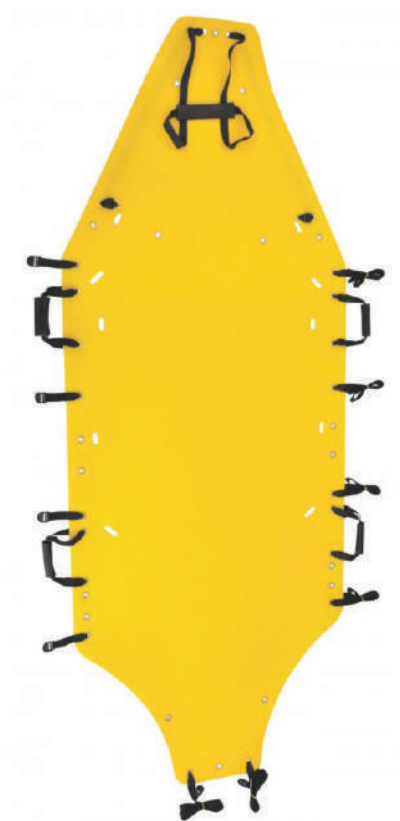
Brand	Product Code	Standards
MSA LATCHWAYS	68202-00L	ANSI Z359.14 (Full-Body Harness) ANSI Z359.4 (Self-Rescue System) CSA Z259.10 (Full Body Harness - Excludes Arc Flash models) CSA Z259.2.3 (Descent Devices - Excludes Arc Flash models) OSHA EN361:2002 (Full Body Harness) EN341: 2011 Type 1, Class D (Descent Device) Successfully assessed against EN 13463-1:2009 and EN 13463-5:2003 under ATEX category Ex II 2 G c IICT3 AS/NZS 1891.1:2007



Fall Protection Rescue Kit, 200ft (66m)

- Primarily used for raising and lowering people or equipment in rescue and industrial work access
- Ideal for confined space applications
- 4:1 rescue pulley system
- Pulleys equipped with a built-in anti-reversing lock
- Rated for lifting or lowering a two person load, 600 lb. (272 kg)
- Offers rapid deployment and is virtually maintenance free
- Compact and portable system, easy for deployment
- Includes: adjustable lifting strap, adjustable victim strap, one pair of ankle harnesses, two carabiners, storage bag

Brand	Product Code
MSA	10030025



## Rescue Stretcher

- Material : Stretcher : Polypropylene ; Strap : Polyamide
- Loading surface : Length : 2,5 m ; Width : 0,9 m
- Weight of the stretcher: 5,5 kg / Weight of the stretcher with its straps and bag: 8 kg
- Maximum load : 150 kg
- Slight stretcher, ideal for evacuations.
- Once the victim is installed, the stretcher becomes rigid.
- Can be used horizontally and vertically.
- Can be stored in a compact bag for an easy carrying.
- 2 carrying handles on each side.
- HS Code : 3901 90 90

Brand	Product Code
KRATOS SAFETY	FA7001800



## Evacuation Triangle with metallic D-rings, adjustable shoulder straps

- To be used for rescue of injured personnel
- Size : Universal
- HS Code : 8308 10 10
- Shoulder straps having combination buckles
- 4 buckles for size adjustment
- Equipped with 3 metallic D-rings as attachment elements
- Dorsal D-ring for guiding the evacuation

Brand	Product Code	Standards
KRATOS SAFETY	FA7000500	EN1498 class B



LIFT RES-Q, Evacuation & Rescue Device

- Lift Res-Q is the perfect device for lifting and rescue operations
- Made of aluminium alloy and high-strength steel and dia. 9.6 mm semi static kernmantle rope assembled with the device
- Rope ends with double figure of 8 knots for connection with karabiner. Provided with 2 hooks ref. FA 50 220 21
- Controlled descent speed: 0.8 m / sec, regardless the weight (max. weight 225kg)
- Maximum descent height: 300 m
- Maximum lifting height: 300 m
- Usable with electric screwdriver: For high ascents
- Brake system: Automatic and redundant
- Maximum no. of users: 2 users - 225 kg
- Inspection: Once a year or every 6000 m of rope



Universal Kit for Manual Evacuation 30m

- Universal rescue kit, particularly suitable for complex environments where it is essential to control the speed of descent (even to be able to make a stop at any level). This device allows an evacuation downwards, as well as a rope climbing on a few meters (in order to climb on a platform, for instance)
- Composition of the kit FA 70 027 30:
  - a descender FA 70 021 00
  - a semi static rope, length 30 mtr FA 70 010 99 (30) (with an aluminium triple-locking karabiner FA 50 302 22B)
  - 2 anchorage webbings sling, length 1,50 m FA 60 005 15
  - 2 aluminium triple action-locking karabiner FA 50 302 22B
  - a guiding kernmantle rope, length 40 mtr FA 70 900 40 (with an aluminium triple-action karabiner FA 50 302 22B)
  - 2 ventral rope clamps FA 70 015 00
  - 2 double pulleys with moveable flanges, double attachment FA 70 008 02
  - an oval quick link FA 50 400 10
  - a Delta quick link FA 50 401 10
  - a cylindrical bag FA 90 106 00

Brand	Product Code & Length	Standards
KRATOS SAFETY	FA7020120 (20m)	EN 341:2011-1A
	FA7020140 (40m)	EN 1496:2007 B

Brand	Product Code
KRATOS SAFETY	FA7002730



## Working At Height Solutions (WAHS)

Work At Height Solutions (WAHS) is subsidiary of United Resources, specializing in Fall Protection Solutions. At WAHS, our mission is to meet all our client's Work At Height needs, across all industries and applications, making WAH Simple and Safe!

### Total Solutions Provider for Working At Height



Site Survey

Product Solutions

Installation &  
Commissioning

User Training

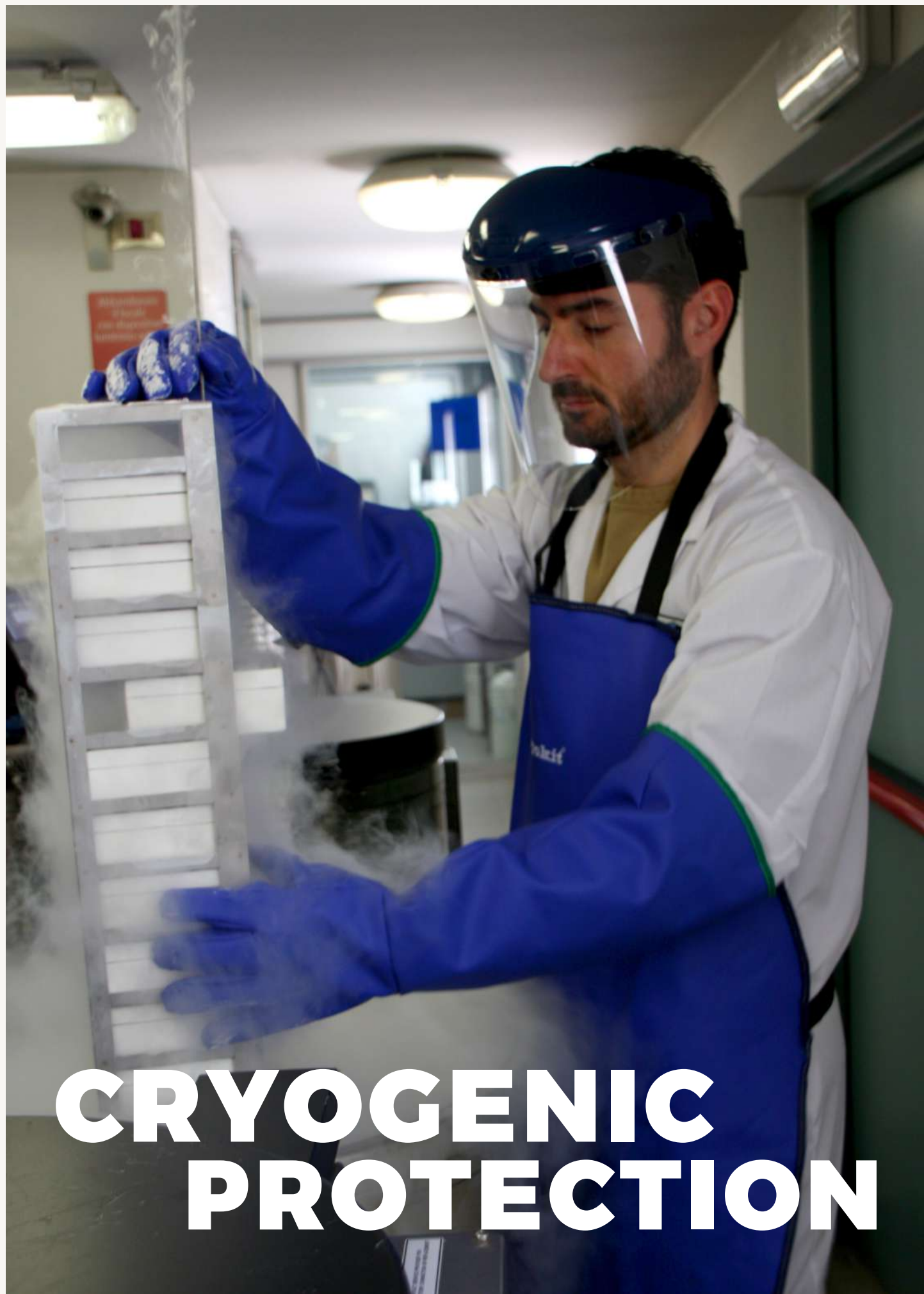
Testing &  
CertificationRepairs &  
Replacements

Our turnkey **SPITTR™** approach leverages WAHS' in-house engineering capabilities and more than 30 years of industry experience to provide customised services along all key phases of the value chain, encompassing:

- 1) On-The-Ground Expert **Site Surveys**
- 2) Targeted **Product Solutioning**
- 3) **Installation & Commissioning** of PPE & Engineered Systems (VLL, HLL, CFP)
- 4) **User Training** (for safe & competent use)
- 5) Internationally Recognised **Testing & Certification** (for global adherence; including specialised **Train-The-Trainer™** sessions to build up internal capability, and allow for more regular inspections)
- 6) Timely & Convenient **Repairs & Replacements**



PRODUCT: CRYOGENIC SAFETY EQUIPMENT



# CRYOGENIC PROTECTION



### Cryogenic Face Shield w Headgear, Clear (liquid nitrogen tested)

- Designed to protect the face, the front of the head and neck from splashes, drops, sprays etc. in operations that involve the use of liquid nitrogen
- Protects against impact and UV rays
- Does not create distortions and visual fatigue under prolonged usage
- Made with specially designed composite materials for cryogenic applications

Brand	Product Code	Standards
CRYOKIT	CLEAR-CRYO	Successfully tested by prolonged contact with liquid nitrogen (RDP 0913/2015 issued by Istituto di Ricerche e Collaudi M. Masini to the producer Univet Srl) EN166 EN170



### Cryogenic Gloves, 40cm Length

- Fully waterproof glove to protect the hand and the arm in operations that involve the use of liquid nitrogen (or other cryogenic gases)
- Made with specially designed composite materials for cryogenic applications
- Keeps the hands warm and dry even for long periods of use. Tested, with success, by contact with liquid nitrogen (-195.82 °C) for one minute and the next test of flexibility (RCT method)
- Multi-layer construction allows a high level of thermal protection, flexibility and dexterity from -200 °C to 150 °C

Brand	Product Code	Standards
CRYOKIT	CRYOKIT400	EN388 2422 EN511 231 CE 0498



Cryogenic Apron, 70cm x 90cm (27"x36")

- Completely waterproof apron to protect the front part of the body in operations that involve the use of liquid nitrogen (or other cryogenic gases)
- Made with specially designed composite materials for this cryogenic applications
- Tested, with success, by contact with liquid nitrogen (-195.82 ° C) for one minute and the next test of flexibility (RCT method)

Brand	Product Code	Standards
CRYOKIT	T-CRYO LIGHT	EN388 3221 EN511 231 CE 0302




Cryogenic Overshoes, per pair

- Overshoes are completely waterproof to protect the feet in operations that involve the use of liquid nitrogen (or other cryogenic gases)
- Made with specially designed composite materials for this application
- Tested, with success, by contact with liquid nitrogen (-195.82 ° C) for one minute and the next test of flexibility (RCT method)

Brand	Product Code	Standards
CRYOKIT	GHETTE CRYO	EN388 3221 EN511 231 CE 0302





# WELDING PROTECTION



Standards

ANSI/ISEA Z87.1-2015  
CSA Z94.3

Passive Welding Helmet, IR 10 Viewing Window

- Lightweight thermoplastic shell provides total head, face and neck protection
- Fully adjustable nylon suspension
- Lift front with viewing area of 2" x 4 ¼" (50.8 x 107.95 mm)
- Fitted with IR shade #10 welding filter
- Optimally balanced "shake down" helmet minimizes carbon monoxide build up
- Ample space for respirators

Brand	Product Code
PYRAMEX	WHP100



Standards

EN 166 (I S)  
EN 175 (F)  
EN 379 (4/9-13; 1/1/2)

BIZWELD Plus Welding Helmet, Shade 9 to 13

- Auto-darkening welding helmet, which switches from a light to dark state when welding activity starts
- Light state (DIN 4); Dark state (adjustable from DIN 9 - 13 using the external knob)
- Response time from light to dark state is 0.04 milliseconds; return from dark to clear state in 0.03-0.04 sec
- Power is supplied by solar cells with 2 built-in lithium batteries to offer power back-up for longer service life
- No need for replacement batteries
- CE certified
- Wheel ratchet size adjustment for easy fitting
- Working time over 5000 hours
- Suitable for a wide range of applications
- Suitable to be worn with disposable respirators

Brand	Product Code
PORTWEST	PW65



**Standards**

EN 166 (I F)  
EN 169 shade 5

**Welding Safety Spectacle, Shade IR5 Lens**

- Multipurpose Shade 5 lens with lateral protection and adjustable arms for customised comfort
- CE certified
- 99% UV protection
- Anti-scratch coating for added durability
- Free spec cord
- Adjustable length for a secure and comfortable fit
- Excellent side protection
- Ultra lightweight for long uses

**Brand**

PORTWEST

**Product Code**

PW68

**Standards**

EN 169 Shade 5  
EN 166 (I F)  
EN 175 (F)

**Gas Welding Goggle**

- CE certified
- 99% UV protection
- Indirect ventilation
- Anti-scratch coating for added durability
- Anti-fog coating for additional comfort to the wearer
- Can be put in stand-off position for intermittent use

**Brand**

PORTWEST

**Product Code**

PW60

**Standards**

ANSI/ISEA Z87.1-2015  
CSA Z94.3  
EN 166

**CAPSTONE SHIELD Capstone Green Tinted Face shield with IR5 H2X Anti-Fog Lens Goggle**

- Fully adjustable elastic band
- Fits over prescription glasses
- Lens is coated to prevent fogging
- Soft vinyl goggle body conforms to facial contours
- Goggle provides protection against dust and chemical splash
- Scratch resistant polycarbonate lens provides 99% UVA/B/C protection
- Removable vent caps allow the user to remove when more ventilation is required or leave in place for unsurpassed chemical splash resistance
- Goggle incorporated with removable shield provides full face protection
- 4 ventilation holes provide appropriate airflow
- Ratchet shield allows user to open or close in 3 positions for adjustment
- Polycarbonate shield conforms to the face offering increased impact and dust protection

**Brand**

PYRAMEX

**Product Code**

GG504TSHIELDIR5



SPARXLIFT Auto Darkening Welding Respirator with EVA

- The SparxLift SAR system offers six flow control options while combining face and respiratory protection in a single package for welders and grinders
- Respiratory Protection 1,000 Assigned Protection Factor (APF) to the SparxLift helmet protects you from airborne hazards
- Eye Protection Full-time Ultraviolet (UV) and Infrared (IR) filters react to prevent flash in 1/25,000 second
- Face Protection Clear panoramic polycarbonate lens protects while grinding, and the engineered Nylon Shell provides tough, lightweight, heat resistant protection. The DuPont™ Nomex® shroud completes the protective envelope to cover the remainder of the face and head
- AUTO-LIFT Unique patented AutoLift design that allows switching from welding to grinding at the push of a button
- BRILLIANT CLEAR X-VIEW Optically correct UV and IR filters combine with ultra-fast low distortion Liquid Crystal Display (LCD) panels to provide the best viewing performance
- Z-SLIDE CARTRIDGE Allows for easy change out and maintenance of the Auto Darkening Filter (ADF)

- AUTO DARKENING FILTER Eliminates neck strain from "nodding" with fixed shade welding helmets
- INNER SENSE™ Patented feature detects the Radio Frequency (RF) signal produced by Tungsten Inert Gas (TIG) welders to darken the screen before the arc is struck
- AC1000 COOL TUBES & DC50 SERIES DUAL COOL TUBES WITH DC70 VEST Cool the incoming air by 30°F or more to battle heat stress and improve productivity

Brand	Standards
BULLARD	NIOSH ANSI/ISEA Z87.1 EN175 EN379

Product Code
EVASL2



#### Standards

EN ISO 11611 Class 2 (A1)

### Leather Hood, Golden Brown

- Grey chrome leather with velcro fastening for quick and easy fitting and removal
- Protects footwear from welding spatter

Brand	Product Code	Size
PORTWEST	SW33	L XL



#### Standards

EN ISO 11611 Class 2 (A1)

### Leather Welding Apron, Golden Brown, 91cm x 58cm

- Premium quality welding apron made of split cowhide leather with stitching made from Para-aramid
- Apron protects the torso and upper legs when welding
- Designed to last in the toughest environment
- Adjustable straps and a quick release buckle ensures that the apron is secure and has a perfect fit
- CE certified
- Class 2 welding protection
- Concealed hook and loop fastening for easy closure

Brand	Product Code
PORTWEST	SW10



#### Standards

EN ISO 11611 Class 2 (A1)

### Leather Welding Sleeves, Golden Brown, 40cm length, per pair

- Premium quality welding sleeves made of split cowhide leather with stitching made from Para-aramid
- Designed to protect the forearm and elbow in the toughest environment
- Elasticated ends ensures maximum protection and a secure fit for welders
- CE certified
- Class 2 welding protection
- Designed with a comfort fit

Brand	Product Code
PORTWEST	SW20



#### Standards

AS/NZS 2161 .2	CE
AS/NZS 2161 .3	EN 420
AS/NZS 2161 .4	EN 407 (4.1.3.3.4.X.)
EN 388:2016 - (4.2.4.3.X)	EN 12477 Type A

### Classic Welding Gauntlet Size XL

- CE certified
- 14 inch cow split leather gauntlet
- Ideal for welding and metal handling
- Reinforced aramid stitching for maximum durability and burn protection
- EN12477 Type A welding protection
- Excellent for jobs requiring high dexterity

#### Brand

PORTWEST

#### Product Code

A511



#### Standards

AS/NZS 2161 .2	EN 407 (4.1.3.X.3.X)
AS/NZS 2161 .3	ANSI/ISEA 105 - 2011
EN 420	Abrasion Level (4)
EN 388:2016 - (4.2.4.3.X)	EN 12477 Type A

### Reinforced Welding Gauntlet Size XL

- CE certified
- Premium quality leather welding gauntlet
- Superb abrasion and tear resistance
- Reinforced palm and thumb area
- Ideal for welding and metal handling
- ANSI Abrasion Level 4

#### Brand

PORTWEST

#### Product Code

A530



#### Standards

AS/NZS 2161 .2	EN 420
AS/NZS 2161 .3	EN 12477 Type B
EN 388:2016 - (2.1.2.2.X)	

### Premium Tig Welding Gauntlet Size L/XL

- CE certified
- Ideal for welding and metal handling
- Soft, flexible goatskin palm with heavy duty split leather cuff
- Para-Aramid stitching throughout for extra durability

#### Brand

PORTWEST

#### Product Code

A520

#### Size

L  
XL



### ATNA TOP S3 Welder Safety Zip Lace Boot, Size 39 - 47

- 10" ankle boot - Meets EN ISO 20349: 2010 standards
- Quick slip on/off
- Protective Velcro overflap
- Flame resistant top lining leather
- HI-3: Insulation of the sole against heat (>250° up to 40mn)
- WG: Molten metal splinters
- Nitrile rubber antistatic sole
- High resistance to extreme heat (300°C)
- Excellent grip: SRC rating
- Textile antiperforation midsole 1430 N
- Composite toe cap 240 J
- Heel grip: 14 mm / 0.55 inch
- Spaced studs to prevent jamming of burning particles
- Very sturdy leather (2-2.2mm)
- Anti-spark & waterproof tongue
- Leather padded tongue
- Antiperspiration & antibacterial lining
- Full height: 24 cm / 10 inches

#### Standards

EN ISO 20349: 2010

Brand	Product Code	Size
GASTON MILLE	ATHH3	EUR 39 - 47



### Leather Welding Boot Cover, Golden Brown, 36cm/14", per pair

- Premium quality boot covers made of split cowhide leather
- Strong material protects the feet and lower legs when welding
- Designed to last in the toughest environments.
- CE certified
- Class 2 Welding Protection
- Designed with a comfort fit

#### Standards

EN ISO 11611 Class 2 (A1)

Brand	Product Code
PORWEST	SW32





**NON FIRE Harness with Belt from the range FIRE FREE with straps which resist to splashes of molten metal**

- Designed for workers doing welding at height, ideal for shipbuilding, building steelwork, etc
- Attachment Elements - 1 dorsal D-Ring, 2 chest attachment textile loops for fall arrest and 2 lateral D-rings at waist level on both sides for work positioning
- Adaptability - Adjustable shoulder, thigh straps and waist belt
- Convenience - Static strength of the harness webbing has been tested after being exposed to the small molten metal splashes
- Automatic buckles on thigh straps
- Compliance - Complies with the standards EN 361:2002, EN358:1999, ISO 9150 : 1988 and ISO 15025 : 2005
- Can be used by a user with a maximum weight of 140 kg
- Size : S - XL
- Weight : 2.55 kg
- Strap material : Aramid
- Buckles material : Steel
- HS Code : 63072090

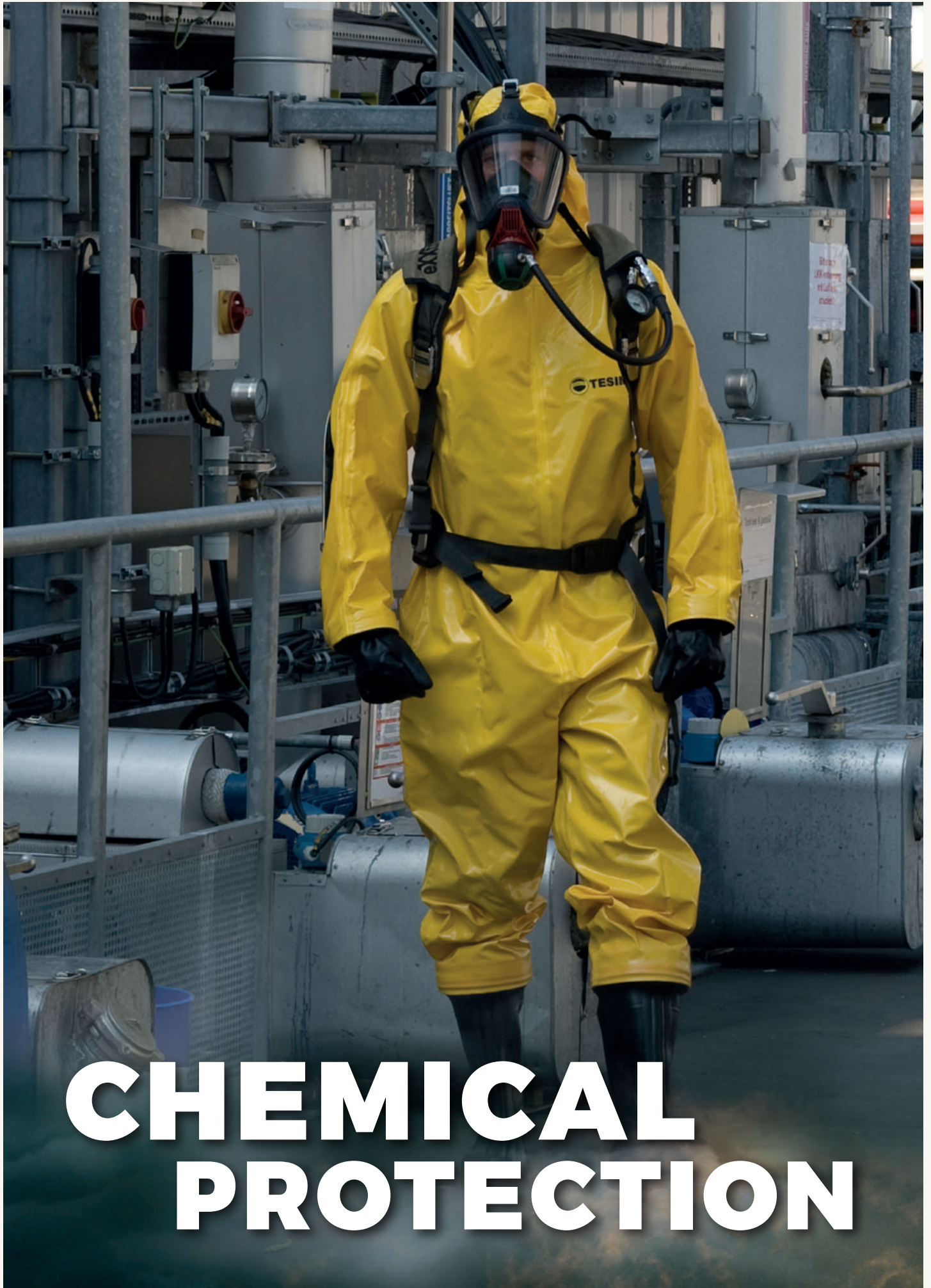
Brand	Product Code	Standards
KRATOS SAFETY	FA1021100	EN 361:2002 EN358:1999 ISO 9150 : 1988 ISO 15025 : 2005 Maximum weight of 140 kg



**NON FIRE Forked Energy Absorbing Webbing Lanyard 1.5m from the range FIRE FREE with straps which resist to splashes of molten metal**

- Designed for workers doing welding at height, ideal for shipbuilding, building steelwork, etc
- Energy Absorber in 45 mm wide webbing which reduces the impact of the fall less than 6 kN
- Covered by a special tubular sleeve
- 44 mm wide webbing lanyard
- Length : 1.5 metre
- Connectors : 1 steel screw-karabiner FA 50 101 17 and 2 steel scaffold hooks FA 50 207 55
- HS Code : 63072090
- Compliance - Complies with the standards EN 355:2002 and tested as per VG11 of PPE Directive 89/686/EEC, ISO 9150:1988 and ISO 15025:2005

Brand	Product Code	Standards
KRATOS SAFETY	FA3040215	EN 355:2002



# CHEMICAL PROTECTION





**G304 SERIES GOGGLE Clear H2X Anti-Fog Top Shelf Chemical Splash Goggle**

- Body tinted to reduce glare
- Special one-way vent allows air to enter while keeping liquids out
- Top shelf chemical splash goggle features generously sized heavy duty body and lens
- Scratch resistant polycarbonate lens provides 99% UVA/B/C protection

**CAPSTONE 500 SERIES Gray Direct/Indirect Goggle with Clear H2X Anti-Fog Lens**

- Fits over prescription glasses
- Soft vinyl goggle body conforms to facial contours
- Goggle provides protection against dust and chemical splash
- Removable vent caps allow the user to remove when more ventilation is required or leave in place for unsurpassed chemical splash resistance
- Passes D3: Droplet and Splash Test – provides protection from droplets and splashes
- Passes MIL-PRF 32432 High Velocity Impact Standards

Brand	Product Code	Standards
PYRAMEX	G304T	ANSI/ISEA Z87.1-2015 CSA Z94.3 EN 166 MIL-PRF 32432

Brand	Product Code	Standards
PYRAMEX	GG504T	ANSI/ISEA Z87.1-2015 CSA Z94.3 EN 166 AS/NZS 1337 MIL-PRF 32432



### GS 3 POLYRAN-L® Chemical Protective Suit, Type 1B, Size M - XL

- Type 1B Gas-Tight Chemical Protective Suit (SCBA worn externally), used for gaseous, liquid or solid hazardous substance environment
- One-piece protection suit with form rubber seal in the hood for secure fit with a (flexible/removable) full-face breathing mask
- Extremely light-weight and flexible
- Reusable, washable, excellent mechanical properties (tear-, abrasion- and perforation-resistant)
- Excellent chemicals resistance to most acids and alkalis
- Safety pressure relief valve with an additional splash cover made of suit fabric
- Weight: 4kg without extras
- Service life: up to 15 years according to manufacturer's guidelines
- Protective Gloves : Telblue five-finger exchangeable chemical protection gloves with the TESIMAX replacement system
- Protective Footwear : HPF CHEM P-L certified to DIN EN ISO 20345 with TESIMAX replacement system

Brand	Standards
TESIMAX	DIN EN 943 Part 1 -1b (industry) Ex-area Zone 0 DIN EN 14126 (biological risks) DIN EN 1149 EN 1073-2 (radioactive particles) SOLAS

Product Code	Size
0222-151	M to XL



**BUTOFLEX 651 Black Butyl Glove, 13.8in 35cm, Size 9/10**

- Ultimate specific chemical resistance, for very corrosive acids, ketones, esters and amine derivatives
- Chemical Protection according to EN 374 ABCILMNOS standards
- Micro-Organisms Protection according to EN 374 standards
- Unrivalled flexibility and dexterity
- In compliance with the requirement of the norm EN 16350, standard for protective gloves - Electrostatic properties : <1.0 10E5

Brand	Standards
MAPA	EN ISO 374-1 Type A ABCILMNOS EN ISO 374-5 EN388:2016 0010X

Product Code & Size
651(9) - 9/L
651(10) - 10/XL



**ACIFORT HazGuard Full Safety Size 41 - 46**

- Nitrile & polymer enhanced PVC compound for professional chemical protection
- Self cleaning SRA++ rated slip resistant outsole
- Certified chemical resistance EN13832-3:2006 J K O P Q R
- Reinforced ankle protection
- Excellent level of toe protection
- Strong abrasion resistant outsole for extra durability
- Shock absorbing heel design
- Anti-Static

Brand	Standards
DUNLOP	Certified chemical resistance EN13832-3:2006 J K O P Q R Additionally certified against sulphuric acid (50% conc.) Certified according to European standard (EN ISO 20345:2011 S5 AN SRA)

Product Code & Size
A442AB1 - EUR 41 to 46





#### Standards

EN 137  
ATEX II 1G IIC T6, II 1D IIIC -30°C ≤ Ta ≤ +60°C

## M1 Self-Contained Breathing Apparatus

Most advanced, ergonomic and modular SCBA system – designed and developed side-by-side with firefighters. Design with M1 Control Module – easy to use personal alert safety system (PASS) with motionless sensor and integrated full colour display giving clear pressure and alarm indication.

### Greater MODULARITY

- Easy to assemble, don and train
- Customise your fleet as per your needs
- Upgrades can be installed in the field

### Enhanced HYGIENE

- Easy to clean and disassemble
- Dust and water repellant harness material reduces time for mechanical cleaning
- Entire SCBA is machine washable (no disassembly required)

### Improved ERGONOMICS

- Backplate with innovative one-handed height adjustment
- Unique padded S-shape harness prevents pressure points and slipping
- Hip belt and backplate design distribute most of the weight on the hips
- Lightest SCBA with height adjustment on the market (less than 4 kilos)

### Highest SAFETY STANDARDS

- Increased chemical resistance due to innovative material composition
- Enhanced safety for service technicians due to improved cleanability
- Reduced risk of snagging hazards due to guided hoses in backplate
- Greater visibility due to reflective harness elements

### Reduced COST OF OWNERSHIP

- All components designed for longer life (10 year warranty)
- Reduced maintenance costs due to extended service intervals
- Easy to upgrade and service without tools

### State-of-the-art COMMUNICATION

- Lightweight C1 headset easily attaches to the outside of the G1 mask
- Microphone design protects against surrounding sound
- Easy to attach/detach and share

#### Brand

MSA

#### Size

Contact us for configuration and further information

PRODUCT: NOTRAX INSULATED SWITCHBOARD MATTING

# ELECTRICAL PROTECTION







## Electrical Insulating Gloves, Class 00 to Class 2, Size 9/L to 10/XL

- Used by electrician or maintenance for protection when carrying out work with energized parts, such as in power supply lines, utilities, telecommunication and transportation industries  
Manufactured using an environmentally friendly aqueous dip process
- Superior softness and dexterity, lessening hand fatigue  
Electrical tested for every glove with unique serial number indicated

### Class 00

AC Maximum Use Voltage: 500V (Proof Test: 2,500V)

DC Maximum Use Voltage: 750V (Proof Test: 10,000V)

### Class 0

AC Maximum Use Voltage: 1,000V (Proof Test: 5,000V)

DC Maximum Use Voltage: 1,500V (Proof Test: 20,000V)

### Class 1

AC Maximum Use Voltage: 7,500V (Proof Test: 10,000V)

DC Maximum Use Voltage: 11,250V (Proof Test: 40,000V)

### Class 2

AC Maximum Use Voltage: 17,000V (Proof Test: 20,000V)

DC Maximum Use Voltage: 25,500V (Proof Test: 50,000V)

Brand	Standards
NOVAX	EN 60903 : Live Working Gloves of Insulating Material

Product Code & Size
NOVELEC00(L) - Class 00, Size 9/L
NOVELEC00(XL) - Class 00, Size 10/XL
NOVELEC0(L) - Class 0, Size 9/L
NOVELEC0(XL) - Class 0, Size 10/XL
NOVELEC1(L) - Class 1, Size 9/L
NOVELEC1(XL) - Class 1, Size 10/XL
NOVELEC2(L) - Class 2, Size 9/L
NOVELEC2(XL) - Class 2, Size 10/XL



**Leather Protector Gloves for Electrical Insulating Gloves, Class 00 to Class 2, Size 9/L to 10/XL**

- Leather Protectors are worn over Electrical Insulating Gloves to protect the gloves from any abrasions, cuts, tears and punctures that may occur when working
- Manufactured from Top Grain Goatskin Leather, which is the softest, most abrasion resistant leather while still providing the dexterity needed to conduct certain sensitive tasks

**Dielectric Safety Boot, 20kV AC, Size 42 - 44**

- Lining Material – Comes with extra comfort and durability
- Upper Construction - Waterproof (Electrically verified), Easy for cleaning
- Sole/Heel – Good abrasion resistant for extra durability
- Steel Toe Cap – Epoxy coated toe caps for anti-corrosion
- Steel Shank – Doubled ribbed ladder shank to improved midfoot stability and support
- Chemical Resistance -Sole & Upper –Resistant towards strong acids and alkalis
- Finishing –Lacquer coating for weather protection

Brand	Standards
NOVAX	ASTM F496 EN388

Product Code & Size
NOVLEA00/0(L) - Class 00 & 0, Size 9/L
NOVLEA00/0(XL) - Class 00 & 0, Size 10/XL
NOVLEA1/2(L) - Class 1 & 2, Size 9/L
NOVLEA1/2(XL) - Class 1 & 2, Size 10/XL

Brand	Sizes	Standards
NOVAX	EUR 42 to 44	EN ISO 20345: 2011 (SB E SRA) EN 50321: 1999 Class 0 (for installations with nominal voltage up to 1000V A.C. and 1500V D.C.) CSA Z195-14 / ASTM F 2413-11 ASTM F1117-03 (min 20,000VAC)

Product Code
DBS4



#### Standards

ANSI/ASTM D-178  
Reach compliant



#### Standards

IEC 61235



## 830 Insulated Switchboard Matting, Class 2

- Insulated matting engineered to protect workers from electric shock
- Electrically Insulative Type 2 PVC compound
- Ideal for dry environments in front of high voltage boxes, electrical fuse boxes, and transformers
- Also used around electric sub-stations, transformers and switches, electrical panels, engine and generator rooms
- Corrugated saw-tooth top surface increases traction and is easy to sweep clean
- Class 2 - Dielectric Strength: 30,000 V (Proof Test: 20,000 Volts)
- Recommended maximum usage: 17,000 Volts

Brand	Product Code	Size
NOTRAX	830S0035BL	91 cm x 150 cm
	830R0375BL	91 cm x 22.8 m

## Rescue Stick 1.65m Rated To 45kV

- Rescue stick 45 kV with protective handguard and hook
- Stick for rescuing an injured technician (electrocution, dizziness...), working on category 1, 2 and 3 substations
- Used to grasp the injured person by the waist and bring him back to a protected area
- Test voltage on 300 mm : 100 kV
- Hook : steel tube 18 x 1,5 cm
- Length : 600 mm, delivered dismantled
- Weight : 1.4kg
- Wall fixings included

Brand	Product Code
REECE SAFETY	RCS45

## Compact Portable Substation Rescue Kit

- This compact kit is designed especially to be carried in a vehicle for safety electrical intervention
- Made in two parts (of moulded material: PEHD), the red part of the case also acts as an insulating platform
- Kit includes:
  - 1 x Insulating platform
  - 1 x Rescue hook
  - 1 x Voltage detector with autotest
  - 1 x Telescopic insulating stick
  - 1 x Insulated cable cutter
  - 1 x Pair of insulating gloves
  - 1 x Pair of insulating boots
  - 1 x Talcum powder can
  - 1 x Safety instructions and safety first aid poster
  - 1 x Adhesive tape, black/yellow

Brand	Product Code
REECE SAFETY	RCZ53R



PRODUCT: CRYOGENIC SAFETY EQUIPMENT



# ARC FLASH PROTECTION





#### Standards

ANSI /ISEA 125 Level 2 Conformity      Arc Rating of 8 cal/cm2  
Arc Flash PPE Category 2

### HRC2™ Series Lightweight Economy Arc Flash Kit (8 cal/cm2)

- Meets ANSI /ISEA 125 Level 2 Conformity and Arc Flash PPE Category 2 standards with an arc rating of 8 cal/cm2
- Arc flash suit set comes equipped with a True Color Grey (TCG™) hard cap and shield, balaclava, coveralls, and storage bag. The balaclava and coveralls are made from a flame resistant treated cotton
- Color: Navy Blue
- Made in the USA

#### Brand

OBERON

#### Product Code

HRC2-CKE-NB

#### Size

L & XL



#### Standards

ANSI /ISEA 125 Level 2 Conformity      Arc Rating of 30 cal/cm2  
Arc Flash PPE Category 2 Standards

### TCG30™ Series Lightweight Economy Arc Flash Kit (30 cal/cm2)

- Meets ANSI /ISEA 125 Level 2 Conformity and Arc Flash PPE Category 2 standards with an arc rating of 30 cal/cm2. Please refer to NFPA 70E or CSA Z462 Standards for specific selection requirements
- Arc flash suit set comes equipped with a True Color Grey (TCG™) hard cap and shield, flame resistant balaclava and coveralls, and navy storage bag
- Color: Navy Blue
- Made in the USA

#### Brand

OBERON

#### Product Code

TCG30-CKE-NB

#### Size

L & XL



#### Standards

ANSI /ISEA 125 Level 2 Conformity      Arc rating of 27 cal/cm2  
Arc Flash PPE Category 3

### TCG25™ Series Ultralight Arc Flash Gloves

- Meets ANSI /ISEA 125 Level 2 Conformity and Arc Flash PPE Category 3 standards with an arc rating of 27 cal/cm2. Please refer to NFPA 70E or CSA Z462 Standards for specific selection requirements
- Arc flash gloves are made from a lightweight and durable Aramid fabric and are the perfect solution for thermographers or any electrical worker that needs arc flash protection for their hands
- Color: Black
- Made in the USA

#### Brand

OBERON

#### Product Code

TCG25-GLOVE

#### Size

L & XL



40 Cal CAT™ Arc Flash Hood and Coverall Suit Set

- Meets ANSI /ISEA 125 Level 2 Conformity and Arc Flash PPE Category 4 standards with an arc rating of 41 cal/cm2
- Hoods utilize a patented True Color Grey (TCG™) arc flash face shield technology which produces no color distortion while performing common work tasks and comes with a scratch resistant, anti-fog coating
- Arc flash suit set comes equipped with a flame resistant treated cotton hood and coveralls
- Color: Khaki
- Made in the USA

Brand	Sizes	Standards
OBERON	S to 5XL	NFPA 70E
		CSA Z462
		ASTM F1506
		ASTM F1959
		ASTM F2178
		ANSI/ISEA Z87.1
Product Code		ANSI/ISEA Z89.1
FRTC4A		ANSI/ISEA 125



TCG40™ Series Ultralight Arc Flash Gloves

- Meets ANSI /ISEA 125 Level 2 Conformity and Arc Flash PPE Category 4 standards with an arc rating of 46 cal/cm2
- Arc flash gloves are made from a lightweight and durable Aramid fabric and are the perfect solution for thermographers or any electrical worker that needs arc flash protection for their hands
- Color: Black
- Made in the USA

Brand	Sizes	Standards
OBERON	L & XL	ANSI /ISEA 125 Level 2 Conformity
		Arc Flash PPE Category 4
		Arc rating of 46 cal/cm2
Product Code		
TCG40-GLOVE		



### DIELECTRIC harness - 1 Dorsal & 1 Sternal D-Ring for Fall Arrest and 2 Lateral D-Rings for Work Positioning

- This harness has been specially designed for workers operating in conditions where there are possible electrical hazards
- Attachment Elements -1 Dorsal & 1 Sternal D-Ring for fall arrest and 2 lateral D-Rings for work positioning
- Adaptability - Adjustable shoulder straps, thigh straps, sternal strap and waist belt
- Convenience - Use of special polymers coated D-rings and all metal adjustment buckles makes it completely electrically insulated
- Ergonomics - Shoulder straps are elasticated to provide flexibility and snug fitting to the user
- Compliance - Conforms to EN 361:2002 & EN 358:1999
- Can be used by a user with a maximum weight of 140 kg
- Size : TU
- Weight : 2.31 kg
- Strap material : Polyester
- Buckles material : Steel covered of electric insulation
- HS Code : 63072090

Brand	Product Code	Standards
KRATOS SAFETY	FA1021200	EN 361:2002 EN 358:1999 Maximum weight of 140 kg



### Forked Dielectric Energy Absorbing Webbing Lanyards

- Energy absorbing lanyard designed to protect operators working in an environment with potential electrical hazards
- Length : 1.50 mtr
- Connectors : 1 dielectric snap hook FA 50 223 15 at one end, and 2 dielectric rebar hooks FA 50 222 55 at the other end
- Conforms to : EN355:2002
- HS Code : 5609 00 90
- Energy absorber in 44 mm wide webbing to reduce the impact of the fall (less than 6 kN)
- Made up of 30mm wide polyester webbing

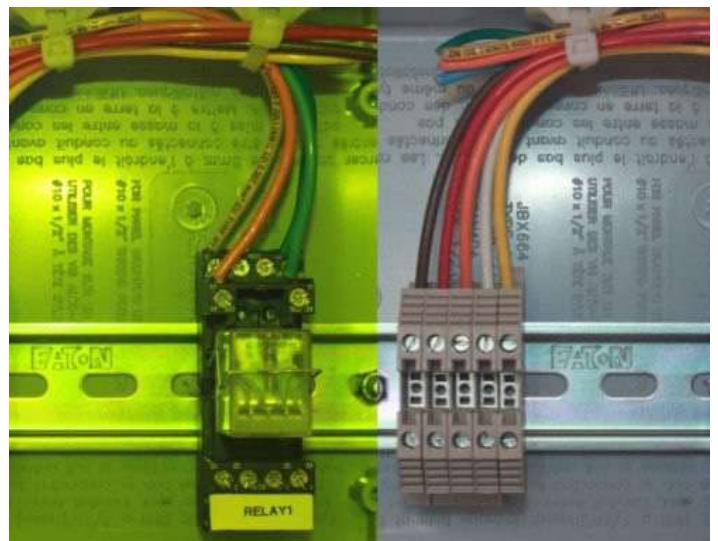
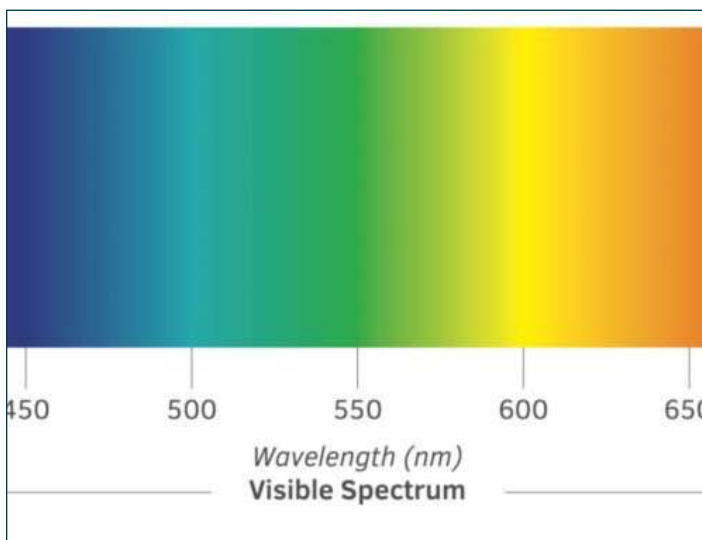
Brand	Product Code	Standards
KRATOS SAFETY	FA3040515	EN355:2002



## What is True Colour Grey Technology?

Struggling to safely see the wire colors while still protecting yourself from an arc?

True Color Grey (TCG) product line combats that problem. It's finally solved the biggest problem electricians face when wearing appropriate arc flash protection, the issue of color distortion through protective shields.



### How does it work?

It is a medium density filter that allows all wavelengths of visible light to pass through without causing any color distortion.

The end result is a nearly clear experience for the worker when performing complex electrical tasks. With the advent of this new technology, electrical workers will no longer struggle to see colored wires or colored electrical tape while working energized.



# LOTO SOLUTIONS



PRODUCT: ABUS SAFETY REDBOX™ STARTER KIT  
ABUS LOCK POINT



Safety Redbox™ Starter Kit

- Ergonomic and portable storage box for Padlocks and Lock-Out Devices
- Ideal for LOTO maintenance of large work areas or different teams
- Patented and innovative wall bracket - Redbox can be fixed onto walls at work areas and easily detached for mobility
- Lid features innovative and secure locking mechanism

B835ST (504143) - Starter Kit contains:

- 3 x 59108 74/40 Padlock Aluminium 74/40 Red
- 3 x 59110 74/40 Padlock Aluminium 74/40 Yellow
- 3 x 59112 74/40 Padlock Aluminium 74/40 Green
- 3 x 59109 74/40 Padlock Aluminium 74/40 Blue
- 3 x 59113 74/40 Padlock Aluminium 74/40 Orange
- 3 x 59111 74/40 Padlock Aluminium 74/40 Black
- 4 x 35766 H701 Lockout Hasp, 45mm

B810 Permit Redbox™

- For secured storage of Padlocks, LOTO Devices and Work Permits - increases safety, security and information communication during maintenance works
- Perfect integration of permit-to-work processes in combination with group lock-out process
- Flexible use as mobile box or fixed at the enclosed wall-bracket
- Stable box made of powder-coated metal sheet
- Large, lockable front pane to display the dedicated work permit notes (A4 format)
- With 20 insertion holes for personal LOTO locks plus additional 3 for authorized persons
- Large storage space with hook rails to store up to 24 machine padlocks
- With carrying handle for mobile use
- With enclosed wall-bracket for stationary use of the box
- Inside with quick-release-button to optionally fix the box on the wall-bracket
- Side with insertion slot for keys with key tag

Brand	Product Code
ABUS	504143 – Starter Kit
	00298 – Empty Box

Brand	Product Code
ABUS	88882



### 74/40 Padlock Aluminium

- Solid aluminum core with steel shackle for best physical strength
- Body and shackle insulated against electric shock
- NANO-PROTECT™ shackle for superior corrosion resistance
- Intrinsically safe, key retaining
- Automatic locking for user convenience
- Compact and lightweight
- High precision 6-pin cylinder for better tamper resistance



### V442/V448 Plastic Ball Valve Lockout

- High-quality polypropylene, long-lasting, robust and non-conductive
- Two sizes for most common ball valves
- To hold one padlock
- Different holes to fix the valve handle by the padlock

Brand	Product Code & Colour
ABUS	59108 - Red
	59109 - Blue
	59110 - Yellow
	59111 - Black
	59112 - Green
	59113 - Orange

Brand	Product Code & Size
ABUS	00452 (V442, Small)
	00453 (V448, Big)

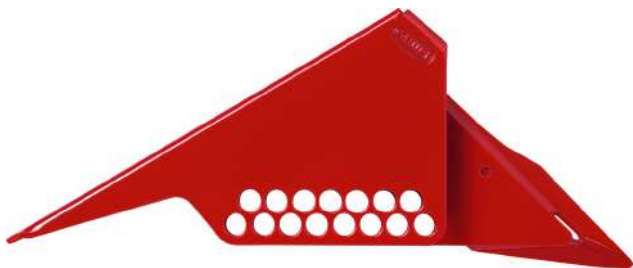




V303-V313 Gate Valve Lockout

- High-quality polypropylene, long-lasting, robust and non-conductive
- Five different sizes for most common gate valves up to 13" pipes (hand wheels of 330 mm)
- To hold one padlock
- Provided with danger labels in English, Spanish and French
- Fire resistance: UL Rating UL 94 – HB

Brand	Product Code & Size
ABUS	00362 (V303): 1"-2.5"
	00364 (V305): 2.5"-5"
	00365 (V307): 5"-6.5"
	00366 (V310): 6.5"-10"
	00367 (V313): 10"-13"



V423/V426 Metal Ball Valve Lockout

- Stable and secure, made from powder-coated steel
- Two sizes for most common ball valves
- To hold one padlock
- Different holes to fix the valve handle by the padlock
- Best used on hard-to-reach pipes

Brand	Product Code & Size
ABUS	00299 (V423, Small)
	00300 (V426, Big)



### C503-C515 Safelex™ Universal Cable Lockout

- Intuitive design for self-explanatory application
- Patented clamping mechanism for secure fixation of the cable
- Retightening possible at any time, even when locked
- Isolated, exchangeable metal cable in different lengths
- Holds up to 6 padlocks

Brand	Product Code & Size
ABUS	00347 (C503) = 1 m (3ft.)
	00348 (C506) = 2 m (6ft.)
	00349 (C509) = 3 m (10ft.)
	00353 (C515) = 5 m (15ft.)



### E201 Circuit Breaker Lockout

- High-quality materials: long-lasting, robust and non-conductive
- Easy-to-use with screwing mechanism for secure fixation
- Can be used universally on common single-pole circuit breakers
- With adapter for blade-type electric fuses

Brand	Product Code
ABUS	00368



### E202 Multipolar Circuit Breaker Lockout

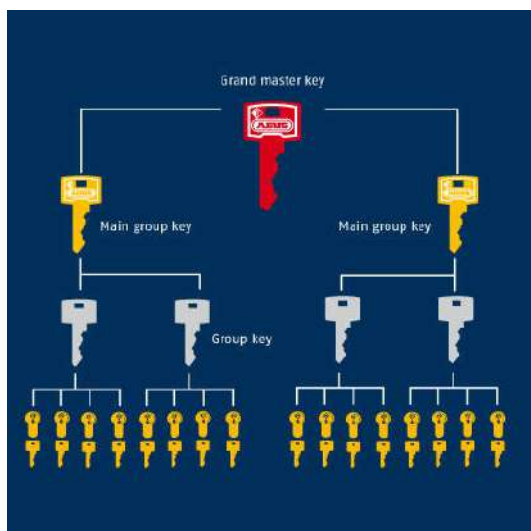
- High-quality materials: long-lasting, robust and non-conductive
- Easy-to-use with screwing mechanism for secure fixation
- Holds up to 2 padlocks with up to 7 mm shackle diameter

Brand	Product Code
ABUS	00401





## Types of Locking Systems



### Grand Master Key System

A grand master key system is a locking system that combines two or more master key systems together. In this case, the master keys are called group keys and the key that is able to operate all cylinders of the locking system is called grand master key.

Example:

Various functional areas of the locking system can be divided into groups (e.g. administration, engineering, etc.). The respective heads of department can only operate the cylinder of their group; individual employees can operate the main entrance and the entrances to their offices or departments of their working areas within the group / department.

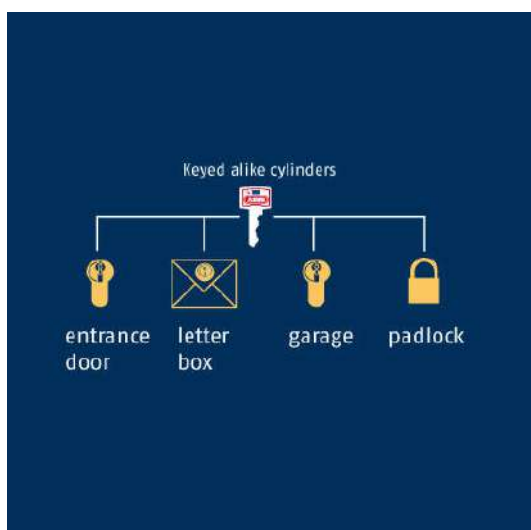


### Master Key System

The master key system is a locking system where one master key is operating all existent cylinders of the locking system.

Example:

The CEO of a company can operate with a master key all rooms of his company. All other keys just open the entrance door and several doors to the offices / work places.



### Key Alike Cylinders

In a family house for example, each door (e.g. entrance door, mailbox, garage and cellar door) has a cylinder with the same key code. Advantage: each family member needs only one key to operate all doors, a big bunch of keys is a matter of the past.



# FIREFIGHTING



SOLAS Fire-Fighter Helmet

- Leather neck protector to protect neck, ears and part of the cheeks against flames, sparks, steam and liquids
- Full-surface impact protection and insulation against heat all over the entire helmet inside
- Nomex chin strap (with 3-point attachment) with quick release buckle
- One helmet fits head sizes 52-65 cm
- Replaceable visor
- Inner and outer shell detachable for inspection, cleaning and maintenance

Brand	Standards
MULLION	SOLAS EN 443:2008 Type A E2 E3 **** C

Product Code
2MZP

SOLAS Fire-Fighter Intervention Jacket, Orange  
Size M - XL

- Fire resistant garment with two-layer aramid thermal insulation barrier. Breathable. Excellent wicking performance. Outer shell treated with water repellent finish
- Sleeve narrowing by touch and close fastening
- Stand-up collar with touch and close fastening to protect the neck
- Front zip closure under flap
- Flame resistant triple trim reflective tape on chest, back and arms for optimum visibility day and night

Brand	Sizes	Standards
MULLION	M to XL	SOLAS EN 469 : 2005 + A1 : 2006 / Xf2 Xr2 Y1 Z2 EN ISO 13688 : 2013

Product Code
1MMF





### SOLAS Fire-Fighter Intervention Trousers, Orange Size M - XL

- Fire resistant garment with two-layer aramid thermal insulation barrier. Breathable. Excellent wicking performance. Outer shell treated with water repellent finish
- Front fly with zipper
- Adjustable elasticated shoulder braces
- Flame resistant triple trim reflective tape on legs for optimum visibility day and night

Brand	Sizes	Standards
MULLION	M to XL	SOLAS EN 469 : 2005 + A1 : 2006 / Xf2 Xr2 Y1 Z2 EN ISO 13688 : 2013

#### Product Code

1MPF



### SOLAS Fire-Fighting Leather Gloves, Size 9/M - 11/XL

- Cow-nappa leather
- Sleeve narrowing by touch and close fastening
- Kevlar thread
- Lining with cut resistant insulation material (100 % Para-aramide)
- Eurotex membrane

Brand	Sizes	Standards
MULLION	9/M to 11/XL	SOLAS EN 659 : 2003 + A1 : 2008

#### Product Code

2MZ0



#### Standards

SOLAS  
EN ISO 20345 : 2004 + A1 : 2007

### SOLAS Fire-Fighter Boots, Black/Yellow, Size 42 - 44

- Flame retardant rubber upper with heat insulation and chemical resistance
- Flame retardant, fuel oil resistant and slip resistant rubber outsole
- Withstands 18kV and high temperature
- Cold insulating outsole construction
- Steel midsole that withstands pins and sharp objects
- Comfortable woven cotton canvas lining
- Steel toe cap (EN ISO 20345)

Brand	Product Code	Size
MULLION	2MZN	EUR 42 - 44



### Fire-Fighter Outfit Storage Bag

Brand	Product Code
MULLION	139Z



#### Standards

Marine Equipment Directive (MED)  
(EU) 2015/559  
SOLAS 74 as amended  
Regulation II-2/10 & X/3  
2000 HSC Code 7  
FSS Code 3  
EN 469: 2005 including A1:(2006), AC:(2006)

### Aluminized Suit Complete UK Dot/USCG Approved C/W Aluminized Jacket, Trousers, Headguard, Gloves, Boot Cover, Bag

- Material: Aramid fabric with foil coating, 250g/M2
- Composition: jacket, trousers, hood, gloves and overshoes
- RSX-F heat insulation suit for fire fighting is made with a flame-resisting fabric and an aluminum plated film compound material and no asbestos
- It consists of jacket, pants, gloves, hood and boot cover
- It possesses light weight, high strength and flame-resisting heat

Brand	Product Code	Size
RONG SHENG	MS-RSX-F	L & XL





### Fireman Outfit Box, FRP, 71 (L) x 57 (W) x 35 (H) cm

- To store fire-fighting equipments
- Fiberglass-Reinforced Plastics material; strong, lightweight and corrosion resistant

Brand	Product Code	Size
RONG SHENG	MS-RSFBX	71 (L) x 57 (W) x 35 (H) cm



### VIRIBUS™ Intrinsically Safe Rechargeable Dual-Light™ Lantern, 300 Lumens

- LED technology
- Flashlight / Floodlight / Dual-Light™
- 3 User-selectable brightness settings on the Flashlight
- High-efficiency deep parabolic reflector creating a sharp focused flashlight beam
- 3 User-selectable brightness setting on the Floodlight including a 30 Lumen Survival Mode
- Dual-light (both the flashlight & floodlight on at the same time) provides for maximum lighting versatility and user safety
- Glass-filled Nylon Polymer housing
- Dual body switches
- IP-67 Dustproof / Waterproof
- Impact & chemical resistant
- Charger meets requirements of NFPA-1901-14.1.10.2 (2016)
- Serialized for personal identification
- Lithium-ion battery (included)

#### Standards

CLASS I DIV 1: GRPS A-D T4  
CLASS II & III DIV 1: GRPS E-G  
CLASS I ZONE 0: GRP IIC T4  
ATEX Certification: II 1 G Ex ia IIC T4 Ga  
IECEX Certification: Ex ia IIC T4 Ga  
Meets requirements of NFPA-1971-8.6 (2013)

#### Brand Product Code

NIGHTSTICK XPR-5580G



M1 Self-Contained Breathing Apparatus

Most advanced, ergonomic and modular SCBA system – designed and developed side-by-side with firefighters. Design with M1 Control Module - easy to use personal alert safety system (PASS) with motionless sensor and integrated full colour display giving clear pressure and alarm indication.

Greater MODULARITY

- Easy to assemble, don and train
- Customise your fleet as per your needs
- Upgrades can be installed in the field

Enhanced HYGIENE

- Easy to clean and disassemble
- Dust and water repellant harness material reduces time for mechanical cleaning
- Entire SCBA is machine washable (no disassembly required)

Improved ERGONOMICS

- Backplate with innovative one-handed height adjustment
- Unique padded S-shape harness prevents pressure points and slipping
- Hip belt and backplate design distribute most of the weight on the hips
- Lightest SCBA with height adjustment on the market (less than 4 kilos)

Highest SAFETY STANDARDS

- Increased chemical resistance due to innovative material composition
- Enhanced safety for service technicians due to improved cleanability
- Reduced risk of snagging hazards due to guided hoses in backplate
- Greater visibility due to reflective harness elements

Reduced COST OF OWNERSHIP

- All components designed for longer life (10 year warranty)
- Reduced maintenance costs due to extended service intervals
- Easy to upgrade and service without tools

State-of-the-art COMMUNICATION

- Lightweight C1 headset easily attaches to the outside of the G1 mask
- Microphone design protects against surrounding sound
- Easy to attach/detach and share

Standards

EN 137  
ATEX II 1G IIC T6, II 1D IIIC -30°C ≤ Ta ≤ +60°C

Brand

MSA

Size

Contact us for configuration and further information



#### Standards

EN 3-7:2004 + A1:2007  
EN 3-8:2006 + AC:2007  
EN 3-10:2009



#### Standards

SOLAS 74 As amended  
MSC.98(73)  
CCS



### Portable Fire Extinguishers (Dry Powder, AFFF Foam, CO2)

- Class A fires - combustible materials: caused by flammable solids, such as wood, paper, and fabric
- Class B fires - flammable liquids: such as petrol, turpentine or paint
- Class C fires - flammable gases: like hydrogen, butane or methane
- Class D fires - combustible metals: chemicals such as magnesium, aluminium or potassium
- Electrical fires - electrical equipment: once the electrical item is removed, the fire changes class
- Class F fires - cooking oils

Powder Extinguishers - used for A, B & C fires

Foam Extinguishers - used for A & B fires

CO2 Extinguishers - used for B & Electrical fires

#### Brand Product Code & Type

FLAMETECH	MS-EXTG-D02 (2kg dry powder)
	MS-EXTG-D06 (6kg dry powder)
	MS-EXTG-D09 (9kg dry powder)
	MS-EXTG-D12 (12kg dry powder)
	MS-EXTG-F09 (9L AFFF Foam)
	MS-EXTG-C05 (5kg CO2)

### Fireproof Lifeline with Snaphook, Wire Rope, 4mm x 30m

- Used during fire entry or rescue
- Attach onto SCBA harness or belt, providing a trace line for escape route or for rescuers to locate victim
- Galvanised wire for fire and corrosion resistance
- Both ends thimble fitted with snaphook carabiners
- Actual breaking strength  $\geq 9\text{KN}$

#### Brand Product Code

RONG SHENG	MS-RSS-1-30M
---------------	--------------

### Fireman Waist Belt, 2 D-Rings

- Waist belt with 2 in-built D-rings for attachment of fireproof lifeline or tools
- Polyester webbing with galvanised steel parts
- 140cm length x 76mm width

#### Brand Product Code

RONG SHENG	MS-RSFB
---------------	---------



**Fire Axe, Long Wooden Handle, 36"**

- Used to break down doors, windows during emergency fire

Brand	Product Code	Size
RONG SHENG	MS-RSFAXE	934 x 156mm

**Fire Blanket, 4ft x 6ft (1.2 x 1.8m)**

- Highly flame-resistant blanket used to extinguish a small fire or to wrap around a person in case of a fire
- 100% fibreglass, non-asbestos
- Thickness : 0.4mm
- Weight : 430 g/m2 without coating

Standards
Conformity Cert EN 1869:1997 DIN EN 1869:2001

Brand	Product Code	Size
RONG SHENG	MS-RS-JS-05	4ft x 6ft (1.2 x 1.8m)



**Fire Plan Holder, 100 mm dia x 870 mm length, Red**

- Safety plan container with wall bracket
- To store fire and safety plan without need of folding

Brand	Product Code	Size
RONG SHENG	MS-RSFP.HOLDER	100 mm dia x 870 mm length





## SOLAS Fight-fighter Kit

Following recent amendments to SOLAS Chapter II-2 Regulation 10:

Fire Proximity Suits (typically tested to EN 531 / 532) while compliant for fire in open spaces, may not provide the wearer sufficient thermal protection from radiated heat if entering an enclosed space (including machinery and accommodation spaces) where a fire is established.

### Latest SOLAS / MED Standards for Fire-Fighting Protective Clothing:

SOLAS REGULATION	EQUIPMENT	STANDARDS
SOLAS Reg 10.10.1.1	Fire-fighters outfits protective clothing (close proximity clothing)	<p><b>Please note: All of the standards listed below are the latest Marine Equipment Directive standards.</b></p> <p>BS EN 469:2005; Protective clothing for firefighters. Performance requirements for protective clothing for firefighting.</p> <p>BS EN 1486:2007; Protective clothing for fire-fighters. Test methods and requirements for reflective clothing for specialized fire-fighting.</p> <p>ISO 15538:2001; Protective clothing for firefighters. Laboratory test methods and performance requirements for protective clothing with a reflective outer surface.</p>
Reg 10.10.1.1	Fire-fighters outfits: boots	BS EN 15090:2012; Footwear for firefighters
Reg 10.10.1.1	Fire-fighters outfits: gloves	BS EN 659:2003+A1:2008; Protective gloves for firefighters
Reg 10.10.1.1	Fire-fighters outfits: helmets	BS EN 443:2008; Helmets for fire-fighting in buildings and other structures

PRODUCT: TILSATEC CUT RESISTANT FOOD GLOVE



# GALLEY



### Chefs Bandana, White

- Stylish and modern alternative for chefs & kitchen staff
- Easily adjusted fit for ultimate wearer comfort
- Additional protection that helps to shield back of neck
- Hard wearing durable twill fabric with excellent dye retention
- Non shrinking to ensure that this style maintains its shape wash after wash
- Two ties at the back for a secure fit

Brand	Product Code
PORTWEST	S903



### Chefs Skull Cap

- Stylish design with hook and loop adjustment to give comfortable fit
- Kingsmill fabric guarantees maximum performance.
- Hard wearing durable twill fabric with excellent dye retention
- Premium stain resistant finish repels oil, water and grime
- Adjustable straps for a secure fit

Brand	Product Code
PORTWEST	S899





**ABERDEEN Chefs Jacket, Size M - XL**

- Made from 100% Cotton fabric for added comfort and breathability
- Non shrinking to ensure that this style maintains its shape wash after wash
- MeshAir aerated mesh fabric to increase air flow
- Six rows of press studs for easy opening
- Reversible front
- Sleeve pocket
- Mandarin collar
- Side panels for a modern fit
- 1 pocket for secure storage



**DUNDEE Chefs Jacket, Size M - XL**

- Made from 100% Cotton fabric for added comfort and breathability
- Non shrinking to ensure that this style maintains its shape wash after wash
- MeshAir aerated mesh fabric to increase air flow
- Six rows of press studs for easy opening
- Sleeve pocket
- Superior styling with French cuffs
- Superior design featuring a two-piece sleeve
- Mandarin collar
- Side panels for a modern fit

Brand	Product Code	Size
PORTWEST	C774	M to XL

Brand	Product Code	Size
PORTWEST	C773	M to XL





### CHESTER Chefs Trousers, Size M - XL

- Practical, stylish and hardwearing
- Made from 100% Cotton fabric for added comfort and breathability
- Phone and pen holder pocket
- Concealed zip opening for added security
- Drawcord adjustable waist for a comfortable fit
- Fully elasticated waistband for ultimate wearer comfort
- Stylish unisex design for multi functional use

Brand	Product Code	Size
PORTWEST	C078	M to XL



### Waterproof Bib Apron, Navy, W72cm X H95cm

- Waterproof keeping the wearer dry and protected from the elements
- Extremely water resistant fabric finish, water beads away from fabric surface
- Adjustable neck for a secure fit
- Anti-tangle ties for secure fastening

Brand	Product Code	Size
PORTWEST	S849	M to XL



Standards

CE certified

Household Latex Gloves, Yellow, Size M/8 - XL/10

- Used for a multitude of household and workplace tasks. Features a flock lining and beaded cuff for easy donning and a fishscale pattern for maximum grip
- CE certified

Brand	Product Code	Size
PORTWEST	A800	M/8 to XL/10



Standards

EN388:2016 2X4XE  
EN407 X1XXXX  
EN 1186 (Material and Articles intended to come into contact with food)

Lightweight Antimicrobial Cut Resistant Food Glove Size 9/L and 10/XL

- For food handling, cutting applications; designed for knife holding hand
- EN388: 2016 2X4X3 Level E Cut Resistance
- EN407 contact heat level 1
- Permanent antimicrobial component
- May be washed at up to 92°C
- Colour coded to prevent cross contamination
- Extended cuff for added protection
- Ambidextrous

Brand	Product Code	Size
TILSATEC	405B	L/9, XL/10



Standards

ISO 13999-1      NF EN 14328  
NF EN 1082-1      NF EN 1811 + A1

100% Stainless Steel Metal Mesh Glove

- Highest cut resistance
- For food handling, cutting or chopping applications; designed for non-knife holding hand (single-side)
- Fully reversible glove can be used on both left and right hands, 5 fingers
- Made of stainless steel with spring system for closing

Brand	Product Code	Size & Colour
MANULATEX	WILCO	2/S (White) 3/M (Red) 4/L (Blue)



#### Standards

EN 388 2143  
EN 407 4242XX

### 250°C Oven gloves

- Ideal for use in industrial Kitchens, or all activities involving contact with hot pans or other tools
- 2-finger oven gloves manufactured with heat resistant split leather
- Internal reinforcement on palm and fingers guarantees protection against contact heat up to 250°C (EN 407 Standards for Thermal Risks) 35cm length

Brand	Product Code	Size
IDEE COCCO	F2/15	35 cm



#### Standards

EN 388:2016 3X43D  
EN 407:2004 43XXXX  
CERTIFIED FOR FOOD CONTACT

### 350°C Silitherm Cook Oven gloves

- For protection against higher temperatures and prolonged contact with hot surfaces
- Manufactured with aramid fabric and silicone coating for higher heat resistance but thinner material and higher flexibility
- Innovative barrier inside for effective protection against liquid and steam
- Special coating that is resistant and do not absorb oil and grease for extended usage
- Extended gauntlet styled cuff to protect the forearm
- Ideal for contact with temperature up to 350°C.
- 45cm length

Brand	Product Code	Size
IDEE COCCO	F2TKS/25	45 cm



#### Standards

Comply with Federal Regulations for food contact 21CFR, 170-199  
AQL 4.0  
Silicone Free  
CFIA approved

### AMBI-DEX® Turbo Disposable Nitrile Glove, Powder Free with Textured Grip - 5 mil, Size S to XL

- Economical puncture resistance with great comfort, dexterity and tactile sensitivity
- Textured grip provides a good grip in wet or dry environments
- Contains no natural rubber latex proteins
- Ambidextrous for quick and easy donning
- Powder-Free for clean comfort and superior tactile sensitivity
- Complies with FDA food handling requirements, 21 CFR 177.2600
- Industry Grade - For non-medical use
- Silicone Free

Brand	Product Code	Size
PIP	63-332PF(S)	S
	63-332PF(M)	M
	63-332PF(L)	L
	63-332PF(XL)	XL



**STEELITE Slip On Safety Shoe S2, White, Size 37 - 48**

- Outstanding slip-on style ideal for Clean Room, Medical and Food Industries
- Easy to clean microfibre upper is practical, safe and durable
- Self-cleaning outsole which prevents cross contamination Steel toecap and excellent slip resistance
- Protective steel toecap
- Anti-static footwear
- Energy Absorbing Seat Region
- Water resistant upper to prevent water penetration
- SRC - Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces
- Fuel and oil resistant outsole

- Machine washable to 30°C
- Padded collar for added comfort
- CE certified

Brand	Sizes	Standards
PORTWEST	EUR 37 - 48	AS/NZS 2210.3:2009 EN ISO 20345:2011
Product Code		
FW81		





# LIGHTING SOLUTIONS



DUAL-LIGHT™ Headlamp, 90 Lumens

- Spotlight / Floodlight / Dual-Light™
- LED technology
- Spotlight beam for distance illumination
- Unfocused wide-beam floodlight for close-up illumination
- Dual-light (spotlight & floodlight at same time) for maximum versatility
- IP-X7 Waterproof
- Drop rated to 2 meters
- Impact & chemical resistant
- Engineered polymer housing
- Single switch located on top of light
- Adjustable ratchet tilt head
- Includes Non-slip elastic head strap and 3 AAA

Brand	Product Code	Standards
NIGHTSTICK	NSP-4604B	CE



Intrinsically Safe Dual-Function Headlamp, 180 Lumens

- LED technology
- High-brightness spotlight, low-brightness spotlight
- Focused spotlight beam for distance illumination
- Engineered polymer housing
- Single switch located on top of light
- Adjustable ratchet tilt head
- Non-slip elastic head strap
- Heavy-duty rubber strap for hard hat applications
- IP-67 Dustproof / Waterproof
- Impact & chemical resistant
- 3 AAA batteries (included)

Brand	Product Code	Standards
NIGHTSTICK	XPP-5452G	CLASS I DIV 1: GRPS A-D T3 CLASS II & III DIV 1: GRPS E-G T135°C CLASS I ZONE 0: AEx ia IIC T3 Ga ATEX Certification: II 1 G Ex ia op is IIC T3 Ga IECEx Certification: Ex ia op is IIC T3 Ga



### X-SERIES Intrinsically Safe Dual-Light™ Flashlight w/Dual Magnets, 285 Lumens

- Flashlight / Floodlight / Dual-Light™
- LED technology
- Momentary or constant-on flashlight
- Sharp focused flashlight beam for distance illumination
- Unfocused wide-beam floodlight for close-up illumination
- Dual-light (flashlight & floodlight at same time) for maximum versatility
- Powerful integrated magnets built into the base and pocket clip for multiple hands-free options
- Engineered polymer housing
- Non-slip grip
- Dual body switches
- IP-67 Dustproof / Waterproof
- Impact & chemical resistant
- Built-in pocket/belt clip
- Includes removable lanyard

Brand	Product Code	Standards
NIGHTSTICK	XPP-5422GMX	cETLus ATEX IECEX INMETRO CLASS I DIV 1: GRPS A-D T3 CLASS I ZONE 0: Ex ia IIC T3 Ga



### Intrinsically-Safe Rechargeable Dual-Light™ Lantern w/Pivoting Head, 650 Lumens

- LED technology
- High-brightness spotlight, low-brightness spotlight
- Focused spotlight beam for distance illumination
- Engineered polymer housing
- Single switch located on top of light
- Adjustable ratchet tilt head
- Non-slip elastic head strap
- Heavy-duty rubber strap for hard hat applications
- IP-67 Dustproof / Waterproof
- Impact & chemical resistant
- 3 AAA batteries (included)

Brand	Product Code	Standards
NIGHTSTICK	XPR-5586G	CLASS I DIV 1: GRPS A-D T4 CLASS II & III DIV 1: GRPS E-G T135°C CLASS I ZONE 0: GROUP IIC T4 Ga Meets requirements of NFPA-1971-8.6 (2013)



Intrinsically Safe Rechargeable LED Scene Light w/Magnetic Base, 1000 Lumens

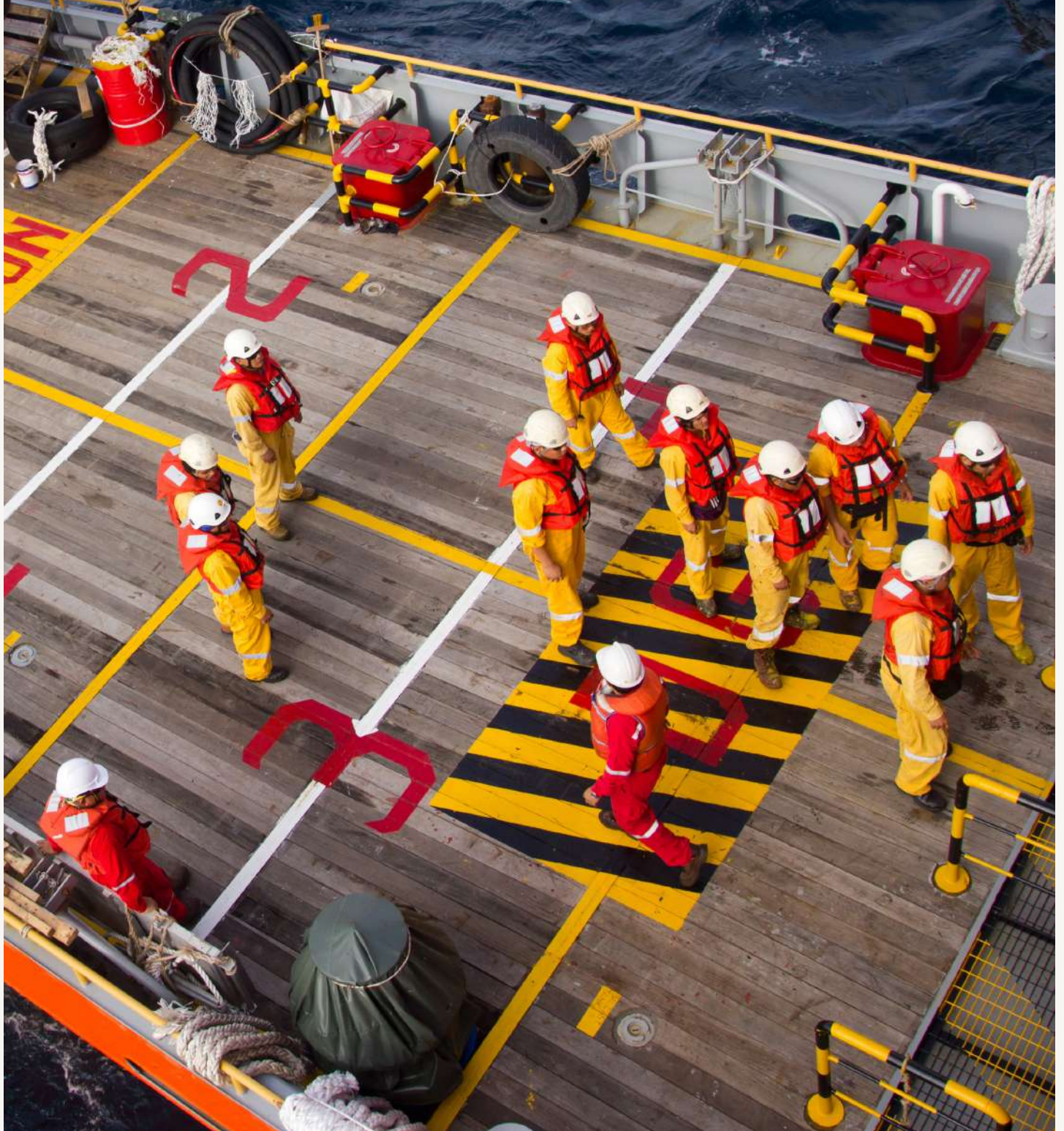
- Rechargeable integrated lithium-ion battery
- Multi-angle tilt and swivel fixture design
- High / Low brightness modes
- Includes AC / DC power supplies
- Includes durable blow molded carrying case
- Powerful rare earth magnetic base for hands-free operation
- Single sealed 3 position toggle switch
- IP-67 Dustproof / Waterproof
- Chemical, heat, and impact resistant design
- Serialized for personal identification

Brand	Standards
NIGHTSTICK	cULus CLASS I DIV 1: GRPS A-D T4 CLASS II & III DIV 1: GRPS E-G T135°C CLASS I ZONE 0: Ex ia IIC T4 Meets requirements of NFPA-1971-8.6 (2013)

Product Code
XPR-5592GCX (with 6ft stand)
XPR-5592GX (without 6ft stand)



# MARINE LIFE SAVING







Standards

SOLAS AND LSA code approval  
Marine Equipment Directive  
MED/1.4. SOLAS 1974 as amended  
Reg. III/4, III/7, III/22, III/34 & X3  
LSA Code, 2000 HSC Code 8  
IMO MSC/Circ.922, MSC.1/Circ.1304 and 1470  
MSC.81(70), MSC.226(82), MSC.323(89), MSC.378(93), MSC.48(66)

SOLAS Foam Life Jacket, >150N, w Whistle & Rescue Line (for adult)

- Unique Foldable Design, allowing compact transport and storage
- Buoyancy block behind head to keep head above water
- Complete with whistle, buddy line, lifting loop
- Comply with SOLAS 1974 and latest amendment
- Designed for users between 43 - 140kg
- Fabric: Polyester Oxford
- Buoyancy Material: EPE foam
- Reflective Tape: 400cm2 SOLAS reflective tape
- Belt: Black webbing belt with plastic buckle
- Resue line: 1920mm length line
- Accessories: Whistle
- Buoyancy: ≥150N
- Dimensions: 610x320x115mm

Brand	Product Code	Size
RONG SHENG	MS-RSCY-A9	Single Size (for adult)



Standards

SOLAS AND LSA code approval  
Marine Equipment Directive  
MED/1.4. SOLAS 1974 as amended  
Reg. III/4, III/7, III/22, III/34 & X3  
LSA Code, 2000 HSC Code 8  
IMO MSC/Circ.922, IMO MSC.1/Circ.1304 and 1470  
MSC.81(70), Part 1, MSC.226(82), MSC.323(89), MSC.378(93)

SOLAS Foam Life Jacket, >150N, w Whistle & Rescue Line (for child)

- Unique Foldable Design, allowing compact transport and storage
- Buoyancy block behind head to keep head above water
- Complete with whistle, buddy line, lifting loop
- Comply with SOLAS 1974 and latest amendment
- Designed for users between 15 - 43kg, 100 - 155cm
- Fabric: Polyester Oxford
- Buoyancy Material: EPE foam
- Reflective Tape: 400cm2 SOLAS reflective tape
- Belt: Black webbing belt with plastic buckle
- Resue line: 1920mm length line
- Accessories: Whistle
- Buoyancy: ≥88N
- Dimensions: 420x290x100mm

Brand	Product Code	Size
RONG SHENG	MS-RSEY-2	Single Size (for child)



### Water-Activated LED Light, c/w bracket

- Fully automatic water-activated mechanism, for identification purpose when user falls into water
- Compact design with in-built universal bracket to fit onto Life-Jackets or Immersion suits
- Manual switch available as back-up
- Comply with SOLAS 1974 and latest amendment
- Luminous Intensity:  $\geq 0.75\text{cd}$
- Time of Power:  $\geq 8\text{h}$
- Lighting Form: Flashing
- Flash Frequency: 50 to 70times/min
- Color of Light: White
- Illuminant: LED
- Battery: Lithium battery CR123A

#### Standards

SOLAS AND LSA code approval  
Marine Equipment Directive  
IMO Res.MSC.81(70) as amended  
Reg. III/7, III/22, III/26, III/32, III/34 of  
SOLAS 74 as amended  
IMO Res MSC.36(63)-(1994 HSC CODE) 8,  
MSC.48(66)-(LSA CODE) II,IV,  
MSC.97(73)-(2000 HSC CODE) 8,  
MSC.81(70), MSC.226(82)

Brand	Product Code	Size
RONG SHENG	MS-RSYD-A2	32 x 34 x 61mm



### Marine Work Vest, >150N

- For use during work on Ships, Marine Facilities and Oil Platforms
- Compact and lightweight design allows free movement to carry out tasks
- Durable nylon construction with soft, comfortable flotation foam
- High Quality PVC which will not absorb water even when cut or punctured
- Adjustable, strong and comfortable
- Buoyancy > 150N

#### Standards

CCS

Brand	Product Code	Size
RONG SHENG	MS-RSXT-100	Single Size



**SIGMA Auto-Inflatable Lifejacket 170N, ISO 12402-3**

- Water-activated automatic inflation, with back-up manual activation
- 170 Newtons of buoyancy when fully inflated
- Twin welded air bladder seam for double security
- High visibility inflation Single Chamber with reflective tape and whistle
- Equipped with lifting loop and buddy line for easier rescue
- Inflation method: Automatic/Manual
- Self-righting; maintain face-up flotation position in the water (face-up)
- Abrasion resistant cover, with fully adjustable body belt and quick release bucklets
- Auto-inflator designed not to fire in heavy weather
- Heavy-Duty, Stainless D-Rings for attachment of a safety line

**LAMDA Auto-Inflatable Lifejacket 150N, Double Chamber, SOLAS/MED**

- Twin chamber for double security, with separate activation inflator
- Water-activated automatic inflation, with back-up manual activation
- 150 Newtons of buoyancy when fully inflated
- Twin welded air bladder seam for double security
- High visibility inflation Twin Chamber with reflective tape and whistle
- Equipped with lifting loop and buddy line for easier rescue
- Inflation method: Automatic/Manual
- Self-righting; maintain face-up flotation position in the water (face-up)
- Abrasion resistant cover, with fully adjustable body belt and quick release bucklets
- Auto-inflator designed not to fire in heavy weather

Brand	Product Code	Standards
LALIZAS	71096	EN ISO 12402-3:2007 EN ISO 12402-3:2007/A1:2012

Brand	Product Code	Size
LALIZAS	71107	SOLAS 74 as amended Reg. III/4, III/7, III/22, III/34, III/3 IMO Res. MSC.48(66)-(LSA CODE), MSC.36(63)-(1994 HSC code) 8, MSC.97(73)-(2000 HSC code) 8, MSC.81(70), MSC.200(80), MSC.207(81), MSC.218(82), MSC.226(82), MSC.274(85), MSC.295(87), MSC.323(89)





**LAMDA Auto-Inflatable Lifejacket 275N, Double Chamber, SOLAS/MED**

- Higher buoyancy of 275N for crew carrying additional gear and tools
- Twin chamber for double security, with separate activation inflator
- Water-activated automatic inflation, with back-up manual activation
- 275 Newtons of buoyancy when fully inflated
- Twin welded air bladder seam for double security
- High visibility inflation Twin Chamber with reflective tape and whistle
- Equipped with lifting loop and buddy line for easier rescue
- Inflation method: Automatic/Manual
- Self-righting; maintain face-up flotation position in the water (face-up)

- Abrasion resistant cover, with fully adjustable body belt and quick release bucklets
- Auto-inflator designed not to fire in heavy weather

Brand	Standards
LALIZAS	SOLAS 74 as amended Reg. III/4, III/7, III/22, III/34, III/3 IMO Res. MSC.48(66)-(LSA CODE), MSC.36(63)-(1994 HSC code) 8, MSC.97(73)-(2000 HSC code) 8, MSC.81(70)

Product Code & Size
71216 - Adult



#### Standards

(EU) 2017/306,  
MED/1.1. SOLAS 74 as amended  
Regulation III/4, III/7, III/34 & X/3  
LSA Code, 2000 HSC Code 8

### SOLAS Lifebuoy Ring

- HDPE Outer shell with rigid polyurethane foam filler
- 4 reflective tapes with grabline fitted around buoy
- Up to 80m drop height above waterline
- Buoyancy  $\geq 142\text{N}$
- Available in 2.5kg & 4.3kg
- Outer Diameter :  $720 \pm 5\text{mm}$
- Inner Diameter :  $440 \pm 5\text{mm}$
- Thickness : 100-110mm

Brand	Product Code	Size
RONG	MS-RS5555-I	2.5 KG (Deckbuoy)
SHENG	MS-RS5555-II	4.3 KG (Bridgebuoy)



#### Standards

(EU) 2019/1397,  
MED/1.2b. SOLAS 74 as amended  
Regulation III/4, III/7, III/22, III/32, III/34 & X/3  
LSA Code, 2000 HSC Code 8  
IMO Res. MSC.36(63)-(1994 HSC Code) 8,  
MSC.97(73)-(2000 HSC Code) 8, MSC.48(66),  
MSC.81(70)  
EX proof EX IB IIB T4 GB

### Explosion-Proof Self-Igniting Lifebuoy Light

- Attached onto lifebuoy to mark position and identify location of man overboard for rescue
- Explosion proof and standard models available
- Comply with SOLAS 1974 and latest amendment
- Flare time :  $\geq 2$  hours
- Illuminant : LED, flashing
- Luminous Intensity :  $\geq 2.0$  cd
- Flash Frequency : 50-70 times/min
- Battery : 3V Lithium battery
- Max drop height : 45m

Brand	Product Code
RONG	MS-RSQD-EX
SHENG	



### Encapsulated Lifebuoy Line in casing, 8mm x 30m

- 8mm diameter buoyant polypropylene line
- Attached onto lifebuoys for deployment and retrieval
- Encapsulated in plastic housing for compact attachment and easy deployment of line

Brand	Product Code
RONG	MS-RSENCAP-LINE-30M
SHENG	



#### Standards

SOLAS 74/78 as amended  
Reg. III/4, III/7, III/22, III/32, III/34, X/3  
Resolution MSC.48(66) LSA Code I, II  
HSC Code 1994 MSC.36(63) and HSC Code 2000  
MSC.97(73), 8 IMO Resolution MSC.81(70)  
MSC.207(81) - MSC.218(82) - MSC.226(82) -  
MSC.323(89) - MSC/Circ. 1046

### Insulated Immersion Suits, c/w Whistle

- Waterproof dry suit that protects the wearer from hypothermia from immersion in cold water
- Integrated buoyancy, can be used without life-jacket
- Thermal protection - body temperature will not be 2 °C lower than normal temperature after immersing in the 0 -2 °C static water for 6 hours
- CR-expanded Neoprene with good elasticity for a perfect fit
- Additional buoyant pillow, to support head above water
- Fitted with safety belt, reflective tapes and anti-slip neoprene boots

Brand	Product Code	Size
RONG SHENG	MS-RSF-II-S	S, Height 150 - 165cm
	MS-RSF-II-M	M, Height 165 - 180cm
	MS-RSF-II-L	L, Height 180 - 195cm
	MS-RSF-II-XL	XL, Height 195 - 205cm
	MS-RSF-II-CHILD	For child

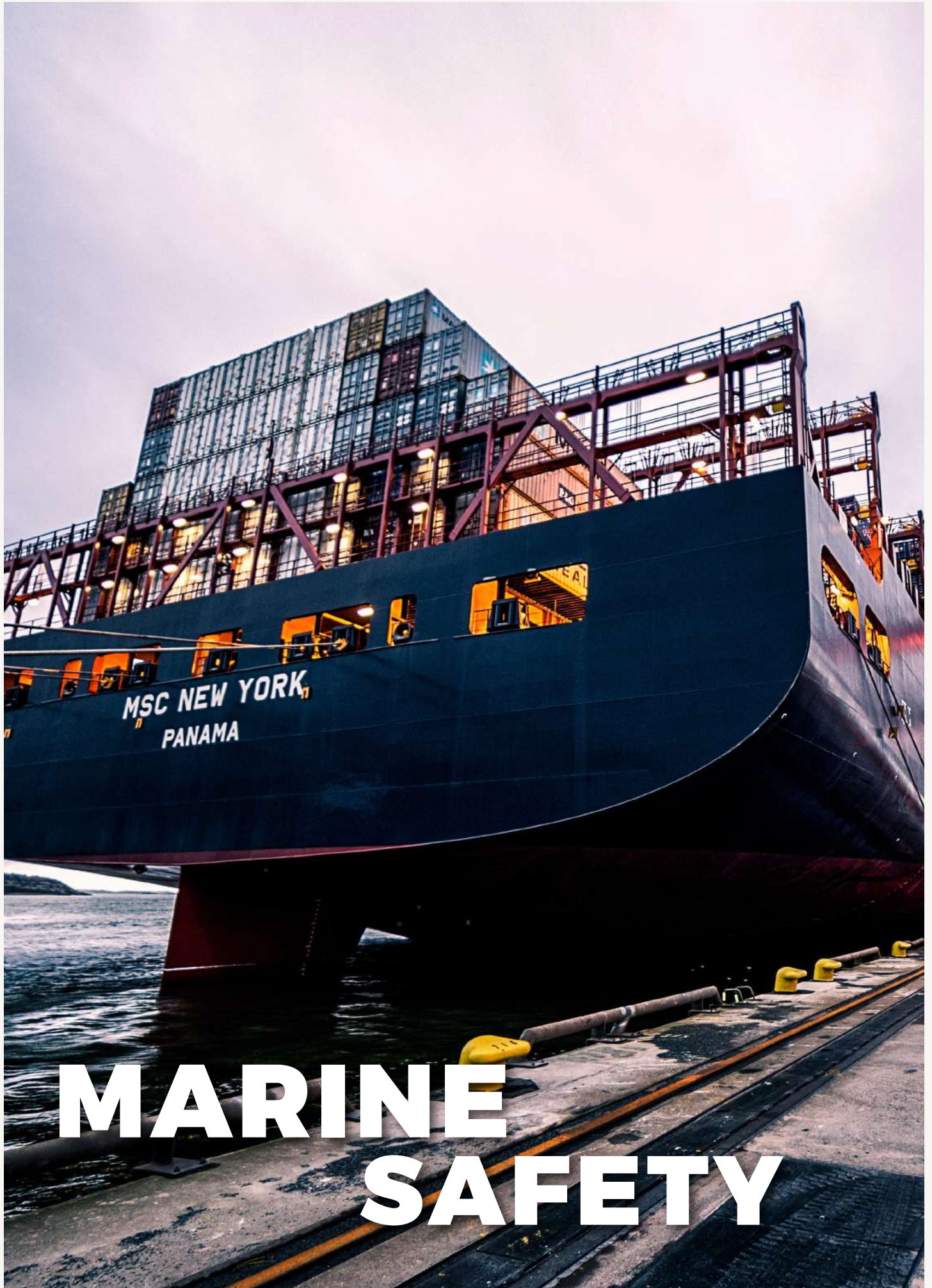


### Immersion Suit Testing & Repair Kit

- Used for periodic testing of seams and closures on immersion suits and anti-exposure suits
- Universal fit, for most suit designs
- Testing components consist of : 2 pcs face fixture, 1 pc pressure gauge, 1 set valve connection, 1 pc hand pump
- Repair components consist of : 1 pair patch fabrics, 1 pc glue, 1 pc scissors, 1 pc hairbrush, 1 pc chalk

Brand	Product Code
RONG SHENG	MS-RSJX-1





# MARINE SAFETY





#### Standards

Comply with SOLAS 1974  
Latest amendment COLREGS1972

### Marine Signal Bell, 300mm diameter

- Used as warning signal to other vessels in times of poor visibility and fog
- Made of corrosion resistant Lead Brass Hpb59-1
- Gives clear tone which is effective for preventing collisions at sea

#### Brand

RONG  
SHENG

#### Product Code

MS-RS-MZ-300



#### Standards

Comply with SOLAS 1974  
Latest amendment COLREGS1972

### Marine Signal Gong, 400mm diameter

- Used as warning signal to other vessels in times of poor visibility and fog
- Made of corrosion resistant Lead Brass Hpb59-1
- Gives clear tone which is effective for preventing collisions at sea

#### Brand

RONG  
SHENG

#### Product Code

MS-RS-MG-400



#### Standards

Qualification Cert

### Marine Sextant, 4x40mm

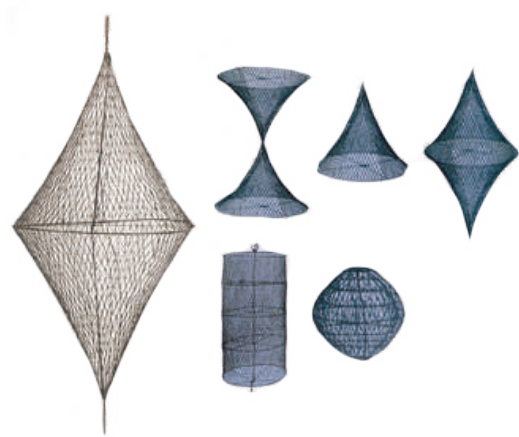
- Used to take a measure of the angle of the sun at noon to determine latitude
- Reads from -5° to 125° white engravings on black finished bronze; Radius 162mm
- Index Mirror : Rectangular 57 x 42mm Aluminized on the rear side

#### Brand

RONG  
SHENG

#### Product Code

MS-RSSEXTANT



Standards

Comply with SOLAS 1974  
Latest amendment COLREGS1972

Marine Signal Nets

- Used at sea for communication between ships
- Black ball net 610mm
- Black cylindrical net 610mm
- Black Conical net 610mm
- Black double conical net 610mm
- Black diamond net 610mm

Brand	Product Code	Size
RONG SHENG	MS-RSBALL-NET	Black ball net, 610mm
	MS-RSCYLIND-NET	Black cylindrical net, 610mm
	MS-RSCONICAL-NET	Black Conical Net, 610mm
	MS-RSDOUBLE-CONICAL-NET	Black double conical net, 610mm
	MS-RSDIAMOND-NET	Black diamond net, 610mm



International Code Flag, 2'x3', 40 pcs per set

- System of international maritime signal flags is a way of representing individual letters of the alphabet in signals to or from ships
- Component of the International Code of Signals
- Nautical signal flags can be used in various methods; each flag represents a letter of an alphabetic message and individual signal flags have specific and standard meanings
- Signal flag Composition: 26 surface letter Flags (A-Z), 10 surface-letter flag (0-9), 3 sides on behalf of the flag, a surface Answering Pennant

Brand	Product Code
RONG SHENG	MS-RS-INTL-FLAG-2.3



#### Standards

SOLAS 74/78 as amended  
Reg. III/4, III/7, III/22, III/32, III/34, X/3  
LSA Code I, II  
IMO MSC.81(70) as amended  
1994 and 2000 HSC code chapter 8

### Thermal Protective Aid TPA

- Provides insulation to people in liferaft, to reduce risk of hypothermia
- Comply to Chapter 3 SOLAS 1974/96
- Constructed from waterproof biaxially constructed polymer
- Over the head hood and zipper fronted up to neck area
- Compact and lightweight
- Universal size and easy to don
- Thermal conductivity :  $\leq 7800W/(cm^2.k)$

Brand	Product Code	Size
RONG SHENG	MS-RSTPA-I	2000 x 960 x 860mm



#### Standards

SOLAS 74/78 as amended  
IMO MSC.164(78)  
ISO 8729(2010)  
CCS

### Marine Radar Reflector Foldable Type

- Used to help larger vessels spot smaller vessels on their radar screens to help avoid collisions on the water, as well as to facilitate search and rescue operations if necessary
- Reflector area :  $\geq 40m^2$
- Temperature range : -35 to 55
- Reflectivity :  $>95\%$
- Length : 470mm
- Installing height :  $\geq 2m$
- Gross weight :  $\leq 1.5kg$

Brand	Product Code
RONG SHENG	MS-RS470-Z



### Reflective Tape SOLAS Grade Silver, 2" x 50m (EC)

- Used in marine environments to assist search and rescue operations
- Commonly applied to pleasure craft, sailboats, life boats, life rafts, life jackets, life rings and other objects so that they can be spotted in the water by rescue personnel

#### Standards

Marine Equipment Directive (MED) 96/98 EC  
IMO Resolution A.658(16)

Brand	Product Code	Size
RONG SHENG	MS-RS-DM1101A	2" x 50m

NORMS & STANDARDS -----> HEAD PROTECTION



EN 397:2012+A1:2012 - Industrial safety helmets



EN 50365:2002 - Electrically insulating helmets for use on low voltage installations.



EN 12492:2012 - Mountaineering equipment. Helmets for mountaineers. Safety requirements and test methods



EN 812:2012 - Industrial bump caps



ANSI/ISEA Z89.1-2014 (R2019) - American National Standard For Industrial Head Protection



CSA Z94.1-15 (R2020) - Industrial Protective Headwear - Performance, Selection, Care, And Use

NORMS & STANDARDS -----> PROTECTIVE EYEWEAR



EN 166:2002 - Personal eye protection. Specifications



EN 169:2002 - Personal eye-protection. Filters for welding and related techniques. Transmittance requirements and recommended use



EN 170:2002 - Personal eye-protection. Ultraviolet filters. Transmittance requirements and recommended use



EN 172:1995 - Specification for sunglare filters used in personal eye-protectors for industrial use



EN 175:1997 - Personal protection. Equipment for eye and face protection during welding and allied processes



EN 379:2003+A1:2009 - Personal eye-protection. Automatic welding filters.



ANSI/ISEA Z87.1-2020 - American National Standard For Occupational And Educational Personal Eye And Face Protection Devices



AS/NZS 1337.1:2010 - Personal eye protection Eye and face protectors for occupational applications.



CSA Z94.3-2020 - Eye And Face Protectors



MIL-PRF-32432(2013) - Military combat eye protection (MCEP) system





EN 352-1:2002 - Hearing protectors. Safety requirements and testing. Ear-muffs



EN 352-2:2002 - Hearing protectors. Safety requirements and testing. Ear-plugs



EN 352-3:2002 - Hearing protectors. Safety requirements and testing. Ear-muffs attached to an industrial safety helmet



ANSI/ASA S12.6-2016 - (Superseded ANSI S3.19:1974) Methods For Measuring The Real-Ear Attenuation Of Hearing Protectors



AS/NZS 1270:2002 - Acoustics - Hearing protectors

NORMS & STANDARDS -----> RESPIRATORY



EN 136:1998 - Respiratory protective devices. Full face masks. Requirements, testing, marking



EN 140:1999 - Respiratory protective devices. Half masks and quarter masks. Requirements, testing, marking



EN 143:2000 - Respiratory protective devices. Particle filters. Requirements, testing, marking



EN 148-1:2018 - Respiratory protective devices. Threads for facepieces. Standard thread connection



EN 149:2001+A1:2009 - Respiratory protective devices. Filtering half masks to protect against particles. Requirements, testing, marking



EN 14387:2004+A1:2008 - Respiratory protective devices. Gas filter(s) and combined filter(s). Requirements, testing, marking.



NIOSH N95 - NIOSH-Approved Particulate Filtering Facepiece Respirators. Filters at least 95% of airborne particles. Not resistant to oil.



EN 12941:1998+A2:2008 - Respiratory protective devices. Powered filtering devices incorporating a helmet or a hood. Requirements, testing, marking



AS/NZS 1716:2012 - Respiratory protective devices



42 CFR Part 84 - NIOSH Guide to the Selection and Use of Particulate Respirators



EN 403:2004 - Respiratory protective devices for self-rescue. Filtering devices with hood for escape from fire. Requirements, testing, marking.



EN 137:2006 - Respiratory protective devices. Self-contained open-circuit compressed air breathing apparatus with full face mask. Requirements, testing, marking.

 EN 353-1:2014+A1:2017 - Personal fall protection equipment. Guided type fall arresters including an anchor line. Guided type fall arresters including a rigid anchor line	 EN 353-2:2002 - Personal protective equipment against falls from a height. Guided type fall arresters including a flexible anchor line	 EN 354:2010 - Personal fall protection equipment. Lanyards.	 EN 355:2002 - Personal protective equipment against falls from a height. Energy absorbers.
 EN 358:2018 - Personal protective equipment for work positioning and prevention of falls from a height. Belts and lanyards for work positioning or restraint.	 EN 360:2002 - Personal protective equipment against falls from a height. Retractable type fall arresters.	 EN 361:2002 - Personal protective equipment against falls from a height. Full body harnesses.	 EN 362:2004 - Personal protective equipment against falls from a height. Connectors.
 EN 795:2012 - Personal fall protection equipment. Anchor devices.	 EN 813:2008 - Personal fall protection equipment. Sit harnesses.	 EN 1496:2017 - Personal fall protection equipment. Rescue lifting devices.	 EN 12278:2007 - Mountaineering equipment. Pulleys. Safety requirements and test methods.
 EN 1808:2015 - Safety requirements for suspended access equipment. Design calculations, stability criteria, construction. Examinations and tests.	 EN 1498:2006 - Personal fall protection equipment. Rescue loops.	 EN 13157:2004+A1:2009 - Cranes. Safety. Hand powered cranes.	 EN 341:2011 - Personal fall protection equipment. Descender devices for rescue.



ANSI/ASSE Z359.13-2013 - Personal Energy Absorbers And Energy Absorbing Lanyards



ANSI/ASSE Z359.14-2014 - Safety Requirements For Self-Retracting Devices For Personal Fall Arrest And Rescue Systems



EN ISO 13688:2013 - (Superseded EN 340:2003) Protective clothing. General requirements.



EN 342:2017 - Protective clothing. Ensembles and garments for protection against cold



EN 343:2019 - Protective clothing. Protection against rain.



EN ISO 20471:2013+A1:2016 - High visibility clothing. Test methods and requirements.



EN 469:2005 - Protective clothing for firefighters. Performance requirements for protective clothing for firefighting.



EN ISO 11611:2015 - Protective clothing for use in welding and allied processes.



EN ISO 11612:2015 - Protective clothing. Clothing to protect against heat and flame. Minimum performance requirements.



EN 13758-2:2003 - Textiles. Solar UV protective properties. Classification and marking of apparel



EN 14058:2017 - Protective clothing. Garments for protection against cool environments.



EN ISO 14116:2015 - Protective clothing. Protection against flame. Limited flame spread materials, material assemblies and clothing.



EN ISO 15025:2016 - Protective clothing. Protection against flame. Method of test for limited flame spread.



EN IEC 61482-1-1:2019 - Live working. Protective clothing against the thermal hazards of an electric arc. Test methods. Method 1: Determination of the arc rating (ELIM, ATPV and/or EBT) of clothing materials and of protective clothing using an open arc



ANSI/ISEA 107-2015 - American National Standard For High-Visibility Safety Apparel And Accessories



AS/NZS 1906.4:2010 - Retroreflective materials and devices for road traffic control purposes - High-visibility materials for safety garments



AS/NZS 4399:2017 - Sun protective clothing - Evaluation and classification



AS/NZS 4602.1:2011 - High visibility safety garments - Part 1: Garments for high risk applications



ASTM F1506-19a - Standard Performance Specification For Flame Resistant And Electric Arc Rated Protective Clothing Worn By Workers Exposed To Flames And Electric Arcs



NFPA 70E-2018 - NFPA 70E Standard For Electrical Safety In The Workplace®, 2018 Edition



NFPA 2112 - NFPA 2112 Standard On Flame-Resistant Clothing For Protection Of Industrial Personnel Against Short-Duration Thermal Exposures From Fire, 2018 Edition



Oeko-Tex Standard 100 - Tested for harmful substances.

## NORMS & STANDARDS -----> CHEMICAL WORKWEAR



EN 13034:2005+A1:2009 - Protective clothing against liquid chemicals. Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals (Type 6 and Type PB [6] equipment).



EN ISO 13982-1:2004+A1:2010 - Protective clothing for use against solid particulates. Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates (type 5 clothing)



EN 14605:2005+A1:2009 - Protective clothing against liquid chemicals. Performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4]).



EN 1073-2:2002 - Protective clothing against radioactive contamination. Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination



EN 14126:2003 - Protective clothing. Performance requirements and tests methods for protective clothing against infective agents.



EN 1149-5:2018 - Protective clothing. Electrostatic properties. Material performance and design requirements



EN 943-1:2015+A1:2019 - Protective clothing against dangerous solid, liquid and gaseous chemicals, including liquid and solid aerosols. Performance requirements for Type 1 (gas-tight) chemical protective suits



EN 943-2:2019 - Protective clothing against dangerous solid, liquid and gaseous chemicals, including liquid and solid aerosols. Performance requirements for Type 1 (gas-tight) chemical protective suits for emergency teams (ET)

## NORMS & STANDARDS -----> CHEMICAL WORK GLOVES



EN ISO 374-1:2016+A1:2018 - Protective gloves against dangerous chemicals and micro-organisms. Terminology and performance requirements for chemical risks



EN ISO 374-2:2019 - Protective gloves against dangerous chemicals and micro-organisms. Determination of resistance to penetration



EN ISO 374-4:2019 - Protective gloves against dangerous chemicals and micro-organisms. Determination of resistance to degradation by chemicals



EN ISO 374-5: 2016 - Protective gloves against dangerous chemicals and micro-organisms. Determination of resistance to degradation by chemicals



EN 16523-1:2015+A1:2018 - Determination of material resistance to permeation by chemicals. Permeation by potentially hazardous liquid chemicals under conditions of continuous contact

## NORMS & STANDARDS -----> CHEMICAL BOOTS



EN 13832-3:2018 - Footwear protecting against chemicals. Requirements for prolonged contact with chemicals





EN 388:2016+A1:2018 - Protective gloves against mechanical risks.



EN ISO 21420:2020 - (Superseded EN 420:2003+A1:2009) Protective gloves. General requirements and test methods



EN 407:2020 - Protective gloves and other hand protective equipments against thermal risks (heat and/or fire).



EN 12477:2001 - Protective gloves for welders.



EN 511:2006 - Protective gloves against cold.



EN ISO 10819:2013+A1:2019 - Mechanical vibration and shock. Hand-arm vibration. Measurement and evaluation of the vibration transmissibility of gloves at the palm of the hand.



EN 421:2010 - Protective gloves against ionizing radiation and radioactive contamination.



EN 13594:2015 - Protective gloves for motorcycle riders. Requirements and test methods.



ANSI/ISEA 105-2016 - American National Standard For Hand Protection Classification



ANSI/ISEA 138-2019 - American National Standard For Performance And Classification For Impact-Resistant Gloves



AS/NZS 2161.2:2005 - Occupational protective gloves - General requirements



AS/NZS 2161.3:2005 - Occupational protective gloves - Protection against mechanical risks

NORMS & STANDARDS -----> FOOD HANDLING GLOVES



EN 1082-1:1997 - Protective clothing. Gloves and arm guards protecting against cuts and stabs by hand knives. Chain mail gloves and arm guards



EN 1186:2002 - Materials and articles in contact with foodstuffs. Plastics



ISO 13999-1:1999 - Protective clothing. Gloves and arm guards for protection against cuts and stabs by hand knives. Chain mail gloves and arm guards




EN 14328:2005 - Protective clothing. Gloves and armguards protecting against cuts by powered knives. Requirements and test methods.











EN 1811:2011+A1:2015 - Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin.

NORMS & STANDARDS -----> ELECTRICAL INSULATING GLOVES

	
EN 60903:2003 - Live working. Gloves of insulating material.	ASTM D120-14a - Standard Specification For Rubber Insulating Gloves

NORMS & STANDARDS -----> ELECTRICAL INSULATING GLOVES

			
EN 12568:2010 - Foot and leg protectors. Requirements and test methods for toecaps and penetration resistant inserts.	EN 13832-2:2018 - Footwear protecting against chemicals. Requirements for limited contact with chemicals	EN 13832-3:2018 - Footwear protecting against chemicals. Requirements for prolonged contact with chemicals	EN ISO 20344:2011 - Personal protective equipment. Test methods for footwear.
			
EN ISO 20345:2011 - Personal protective equipment. Safety footwear.	EN ISO 20346:2014 - Personal protective equipment. Protective footwear.	EN ISO 20347:2012 - Personal protective equipment. Occupational footwear.	EN ISO 20349:2010 - Personal protective equipment. Footwear protecting against thermal risks and molten metal splashes as found in foundries and welding. Requirements and test method.
			
CSA Z334-14 (R2019) - Over-The-Shoe Toe Protectors	ASTM F1117-03(2019) - Standard Specification For Dielectric Footwear	ASTM F2413-11 - Standard Specification For Performance Requirements For Protective (Safety) Toe Cap Footwear	AS/NZS 2210.3:2009 - Occupational protective footwear - Specification for safety footwear


EN 50321:2000 - Electrically insulating footwear for working on low voltage installations.

NORMS & STANDARDS -----> FIREFIGHTING HELMET


EN 443:2008 - Helmets for fire fighting in buildings and other structures.



EN 659:2003+A1:2008 - Protective gloves for firefighters.



EN 15090:2012 - Footwear for firefighters.



ASTM D178-19 - Standard Specification For Rubber Insulating Matting



IEC 61235:1993 - Live working - Insulating hollow tubes for electrical purposes



ASTM F1506-18 - Standard Performance Specification For Flame Resistant And Electric Arc Rated Protective Clothing Worn By Workers Exposed To Flames And Electric Arcs



ASTM F1959-14 - Standard test method for determining the arc rating of materials for clothing



ASTM F2178-17 - Standard test method for determining the arc rating of eye and face protective products.



ANSI/ISEA 125-2014 - American National Standard for Conformity Assessment of Safety and Personal Protective Equipment



cETLus listed Intrinsically Safe - UL913 5th or 9th - Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, III, Division 1, Hazardous (Classified) Locations



ATEX Directive 2014/34/EU - EN 60079-0:2012 + A11:2013, EN 60079-11:2012, EN 60079-28:2015 - Explosive atmospheres. Equipment. General requirements



IECEx listed Intrinsically Safe - IEC 60079-0:2011 Edition: 6.0 - Explosive atmospheres - Part 0: General requirements



IECEx listed Intrinsically Safe - IEC 60079-11:2011 Edition: 6.0 - Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"



IECEx listed Intrinsically Safe - IEC 60079-28:2015 Edition: 2 - Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation



INMETRO listed Intrinsically Safe - Based on the IECEx IEC 60079-0/1 - Based on the IECEx IEC 60079-0/1



NFPA-1971-8.6:2013 - Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting



UL 913 Ed. 8-2013 - Standard For Intrinsically Safe Apparatus And Associated Apparatus For Use In Class I, II, III, Division 1, Hazardous (Classified) Locations



UL 60079-0 Ed. 7-2019 - Standard For Explosive Atmospheres - Part 0: Equipment - General Requirements



UL 60079-11 Ed. 6-2013 - Explosive Atmospheres - Part 11: Equipment Protection By Intrinsic Safety 'I'



ANSI/ISA 60079-26 (12.00.03)-2008 - Electrical Apparatus For Use In Class I, Zone 0 Hazardous (Classified) Locations



CAN/CSA C22.2 No. 157-1992 (R2016) - Intrinsically Safe And Non-Incendive Equipment For Use In Hazardous Locations



CAN/CSA C22.2 No. 60079-0-2019 - Explosive Atmospheres - Part 0: Equipment - General Requirements (Adopted IEC 60079-0:2017, Seventh Edition, 2017-12, With Canadian Deviations)



CAN/CSA C22.2 No. 60079-11-2014 (R2018) - Explosive Atmospheres - Part 11: Equipment Protection By Intrinsic Safety "I" (Adopted IEC 60079-11:2011, Sixth Edition, 2011-06, With Canadian Deviations)



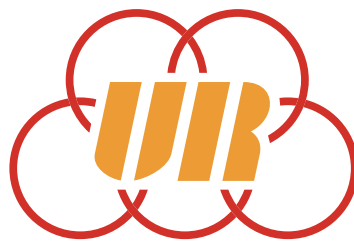
CAN/CSA C22.2 No. 60079-25-2014 (R2018) - Explosive Atmospheres - Part 25: Intrinsically Safe Electrical Systems (Adopted IEC 60079-25:2010, Second Edition, 2010-02, With Canadian Deviations)





## Our Partners





**UNITED RESOURCES**

M.R.O | SAFETY | SPILL CONTROL | SERVICES

*EST 1987*

*Understanding Requirements. Mentoring Solutions*

Singapore | Malaysia | Korea | Rotterdam | Fujairah | Houston