
TST®
PROTECTION FOR
WATER JETTING

4 LEVELS OF WATE

PRO OPERATOR®

ROTOR

500 BAR
7 500 PSI

SINGLE

200 BAR
3 000 PSI



ULTRA OPERATOR®

ROTOR

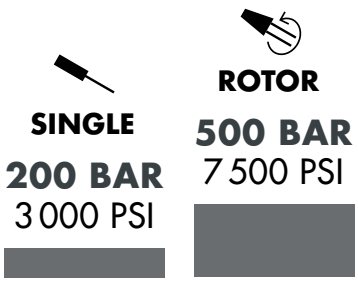
2 000 BAR
30 000 PSI

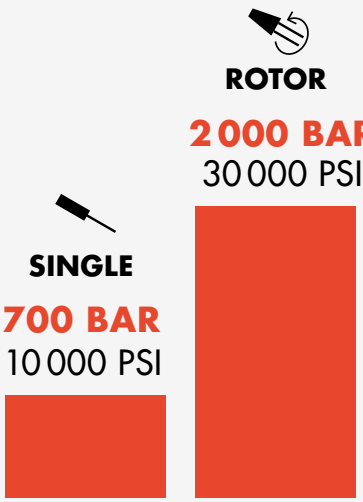
SINGLE

700 BAR
10 000 PSI



WHAT'S YOUR OPERATING PRESSURE?





PRO OPERATOR®

ULTRA OPERATOR®

R JET PROTECTION

10/28

ROTOR

2 800 BAR
40 000 PSI

SINGLE

1 000 BAR
15 000 PSI





10/28

ELITE OPERATOR®

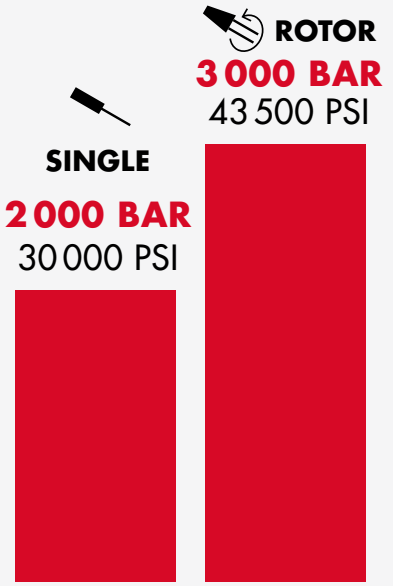
ROTOR

3 000 BAR
43 500 PSI

SINGLE

2 000 BAR
30 000 PSI





ELITE OPERATOR®

PRO OPERATOR®

500 BAR 7 500 PSI 200 BAR 3 000 PSI



JACKET
Page 52
ART. NO. 5622025 5024



JACKET HI VIS
Page 55
ART. NO. 5622025 5624



VEST HI VIS
Page 56
ART. NO. 5620025 5624



TROUSERS
Page 52
ART. NO. 5632025 5024



TROUSERS HI VIS
Page 55
ART. NO. 5632025 5624



APRON
Page 60
ART. NO. 5623025 5024



OVERALL
Page 59
ART. NO. 5640025 5024



OVERALL HI VIS
Page 59
ART. NO. 5640025 5624



ARM PROTECTIONS
Page 60
ART. NO. 5602025 5024

ULTRA OPERATOR®

2 000 BAR 30 000 PSI 700 BAR 10 000 PSI



JACKET
Page 41
ART. NO. 5422050 5526



COAT
Page 42
ART. NO. 5424050 5526



OVERALL
Page 42
ART. NO. 5444050 5526



TROUSERS
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ART. NO. 5432050 5526



APRON
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ART. NO. 5423050 5526



HAND PROTECTIONS
Page 43
ART. NO. 5402050 5526

ACCESSORIES

UP TO 3 000 BAR



HEAD PROTECTION 3 000 BAR
Page 66
ART. NO. 5102068 5000



NECK PROTECTION 3 000 BAR
Page 69
ART. NO. 5110568 5075



GLOVES 800 BAR
Page 70
ART. NO. 5080025 5015



BOOTS 1 200 BAR
Page 74
ART. NO. 5654027 5011



BOOTS 3 000 BAR
Page 73
ART. NO. 5052080 5000



GAITERS 3 000 BAR
Page 73
ART. NO. 5158068 5075



HOSE PROTECTION 3 000 BAR
Page 77



HOSE PROTECTION 500 BAR
Page 77



HOSE CONNECTION COVER
Page 78



WHIP STOP
Page 78
ART. NO. 5072000 5000



BALACLAVA
Page 69
ART. NO. 5010000 5000



TST GREASE REMOVER
Page 113

10/28

2800 BAR 40000 PSI 1000 BAR 15000 PSI



GAMMA KIT
Page 30
ART. NO. 51K3047 5000



JACKET
Page 32
ART. NO. 5122047 5080



TROUSERS
Page 32
ART. NO. 5132047 5000



APRON
Page 33
ART. NO. 5123047 5000



HAND PROTECTIONS
Page 33
ART. NO. 5100047 5000

VENTILATION
Page 80

ELITE OPERATOR®

3000 BAR 43500 PSI 2000 BAR 30000 PSI



GAMMA KIT
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ART. NO. 51K3068 5075



JACKET
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ART. NO. 5122068 5075



TROUSERS
Page 18
ART. NO. 5132068 5075



SIGMA KIT
Page 16
ART. NO. 51K2068 5075



VEST
Page 21
ART. NO. 5120068 5075



OVERALL
Page 21
ART. NO. 5144068 5075



DELTA KIT
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ART. NO. 51K1068 5075



APRON
Page 22
ART. NO. 5123068 5075



HAND PROTECTIONS
Page 23
ART. NO. 5100068 5075



ALFA KIT
Page 17
ART. NO. 51K4068 5075



VEST WITH APRON
Page 22
ART. NO. 5123568 5075

VENTILATION
Page 80

VENTILATION & COOLING



VENTILATION VEST
Page 82
ART. NO. 5198010 5000



MULTI
Page 82
ART. NO. 3020P60 3313



FLEXI
Page 83
ART. NO. 3020P60 3310

WORKPLACE SAFETY SOLUTIONS



SAFETY FUNNEL
Page 88



SAFETY PIPE CAP
Page 89



SAFETY BOOTH
Page 90
ART. NO. 5850012 5000



SAFETY CURTAIN
Page 91
ART. NO. 5800010 5885



ROBOT GUARD
Page 91



SCUFF GUARD
Page 92



YOU'RE SAFE WITH US

We're on a mission: To make sure that our customers come home to their family and loved ones, every day. This is our reason for being and what drives us to go to work each morning. We do it by improving people's safety and performance in extremely demanding work environments, like oil platforms, alongside roads, in ports and heavy industries.

It's no coincidence that we're the leading company in protective clothing and equipment. Every single product is born out of necessity, developed in close cooperation with our end users. Over the years, we have developed a culture of continuous innovation, where methods, concepts, and products are developed and refined on an ongoing basis. We have evolved into an innovative business partner who, through impeccable service and expertise, makes personal protective equipment smarter and the world a little safer. Our motto is "Saving Lives". This is not only our duty, but it also makes us feel good. It would be difficult to find anything more meaningful to spend our time doing.

We are Smooth, Ambitious, Futuristic, Energetic.
In short: We are S.A.F.E. So are you.



ELITE OPERATOR®

3 000 BAR

ROTOR 3 000 BAR 43 500 PSI | SINGLE 2 000 BAR 30 000 PSI

Page 8

10/28

2 800 BAR

ROTOR 2 800 BAR 40 000 PSI | SINGLE 1 000 BAR 15 000 PSI

Page 24

ULTRA OPERATOR®

2 000 BAR

ROTOR 2 000 BAR 30 000 PSI | SINGLE 700 BAR 10 000 PSI

Page 34

PRO OPERATOR®

500 BAR

ROTOR 500 BAR 7 500 PSI | SINGLE 200 BAR 3 000 PSI

Page 44

ACCESSORIES
UP TO 3 000 BAR

Page 63

WORKPLACE SAFETY SOLUTIONS

Page 84

SAFETY & TECHNICAL INFO

Page 96


TST



ELITEOPERATOR®

ROTOR **3 000 BAR**

SINGLE **2 000 BAR**

43 500 PSI 30 000 PSI

› For UHP water jetting & hydrodemolition
› Dirt- and water-repellent
› Stretch fabric in non-protective areas



THE FABRICS

TECHSTEEL™

Outer shell in all protective areas. Water repellent and very high-resistant against abrasion and tearing, over 500 000 Martindale.

STRETCH

On areas without protection, for high mobility and comfort.

DYNEEMA®

The protective fabric inside the clothing is made of the strongest fiber in the world, 15 times stronger than steel.

SYNTHETIC FIBER-BASED REINFORCEMENT

Extra reinforcement on exposed surfaces, such as knees and leg ends.

MAXIMIZE THE FREEDOM OF MOVEMENT

Our EliteOperator® product series with Athletic Design is quite simply a revolution for the mobility and compliance of protective clothing at this level of protection. Athletic Design makes it easier to walk, bend down, crouch, bend arms, bend legs, squat, climb ladders, walk stairs, and everything else an operator does during a work shift. The difference to other PPE on this level of protection is so remarkable that you must try the range to believe it!

The revolutionary Athletic Design can be found on parts both with and without protection. Protective areas are considerably more compliant, while non-protective areas are made in elastic fabric. This, combined with strategically placed seams, enhances both freedom of movement and keeps the operators protected and comfortable.

THE DESIGN

A WEDGE THAT MAKES A DIFFERENCE

It's all in the details. A wedge-shaped part in the armpit area provides increased mobility.

PRE-BENT KNEES

Pre-bent knees add flexibility to our Trousers and Overalls. Neoprene fabric closest to the knee offers a soft, lightly padded feel.

NEW DESIGN IN THE GROIN

The protective area with Dyneema® is divided into several parts, which increases mobility.

A REVOLUTION ON THE INSIDE

EliteOperator® is full of revolutionary details. Some can't be seen with the eye, but you will feel it! The protective areas with Dyneema® follow the body's movements which provides superior mobility, and a more comfortable workday.

SINGLE 2000 BAR / 30000 PSI ROTOR 3000 BAR / 43500 PSI

AREAS WITH PROTECTION

It is essential that the operator knows where and for what the clothes protect. Glossy fabric clearly identifies protective areas, and the label tells the level of protection. Orange labels indicate protection for 2 000 bar / 30 000 psi single jet and 3 000 bar / 43 500 psi rotor jet – 20/30. *Read more on page 110 and see tables on page 106.*



KEEP DRY AND LIGHT

The outer fabric in Techsteel™ is both dirt and water repellent, which keeps the operator dry and light all day long. Techsteel™ has very high resistance against abrasion and tearing, over 500 000 Martindale. The outer material is furthermore reinforced with Vectran® (LCP) for maximum strength and durability. The request for these qualities comes originally from the industry of concrete removal and demolition.

WATER REPELLENT

DIRT REPELLENT

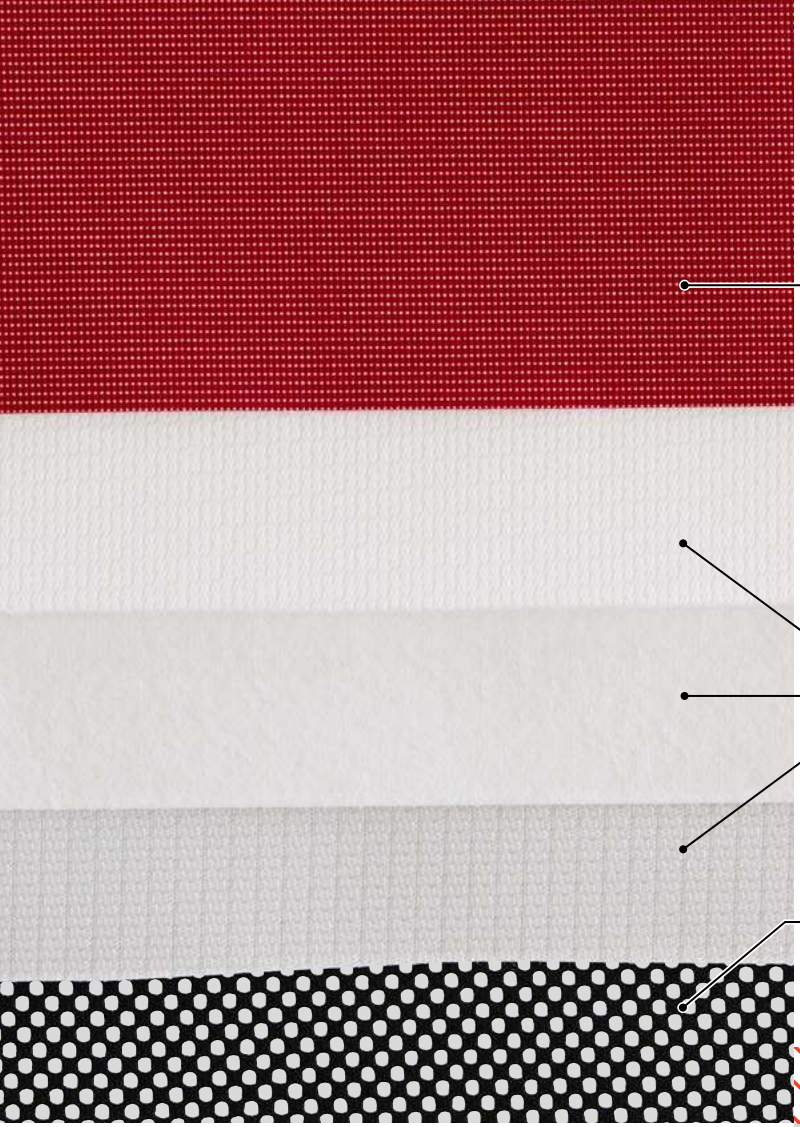
VECTRAN®

THE WORLD'S STRONGEST FIBER HAS GOT YOU COVERED

In protective areas of the clothing, we use an ultra strong and ultra light fiber – Dyneema®. On a weight for weight basis the fiber is 15 times stronger than steel and up to 40% stronger than aramids. This enables us to develop protective clothing which are lighter and more comfortable, without compromising on safety and durability.

DYNEEMA®





FIVE LAYERS FOR OPTIMAL PERFORMANCE

TECHSTEEL™
Dirt and water repellent.
Durability: > 500 000 Martindale.

DYNEEMA®
The world's strongest fiber in protective areas.

MESH AND POLYESTER LINING
Ventilating and comfortable.

KEEP YOUR COOL IN ANY SITUATION

VENTILATION AVAILABLE

Water jetting is a tough and demanding job.
We offer solutions to help operators stay cool:

- Ventilation in Trousers and Overall
- Ventilation Vest
- Cooling Vest

Benefits:

- Avoid heat stress
- Feel better
- Work longer

Read more on page 80.






WE KEEP YOU SAFE
FROM HEAD TO TOE



HEAD PROTECTION 3 000 BAR

See p. 66

JACKET

See p. 18

HOSE PROTECTION

See p. 76

GLOVES 800 BAR

See p. 70

TROUSERS

See p. 18

GAITERS

See p. 73

#1

THE BEST PROTECTION ON THE MARKET



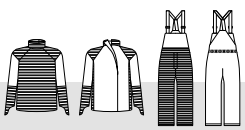


GAMMA KIT

BEST SELLER

- JACKET
- TROUSERS

- Full front water jet protection as well as round the neck, shoulders, and the entire area round the forearm.
- High mobility and comfort thanks to flexible protective material, stretch fabric and pre-bent knees on the trousers.
- Ventilation is an option. *Read more on page 80.*
- A great choice for jobs that require movement.
- Add Head Protection, Protective Gloves and Boots or Gaiters and you are protected from head to toe.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

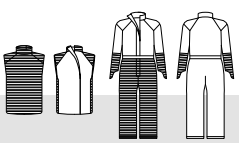
SINGLE 2000 BAR / 30000 PSI ROTOR 3000 BAR / 43500 PSI

SIZES	WEIGHT	ART. NO.
S/M–4XL/5XL	5.2 kg (SIZE L/XL)	51K3068 5075

SIGMA KIT

- VEST
- OVERALL

- The Overall protects the lower body, the Vest the upper body.
- High mobility in the Overall thanks to pre-bent knees and flexible protective material as well as stretch material in the back. Vest in flexible protective material increases mobility and protection.
- Ventilation is an option. *Read more on page 80.*
- A good choice if you move, climb or crawl a lot.
- Add Head Protection, Protective Gloves and Boots or Gaiters for a head to toe coverage.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 2000 BAR / 30000 PSI ROTOR 3000 BAR / 43500 PSI

SIZES	WEIGHT	ART. NO.
S–3XL	5.2 kg (SIZE L)	51K2068 5075

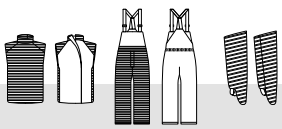




DELTA KIT

- VEST
- HAND PROTECTIONS
- TROUSERS

- High mobility and comfort thanks to flexible protective material, stretch fabric and pre-bent knees on the trousers.
- Compliant and comfortable.
- Ventilation is an option. *Read more on page 80.*
- A great choice in warm environments.
- Add Head Protection, Protective Gloves and Boots or Gaiters for a head to toe coverage.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

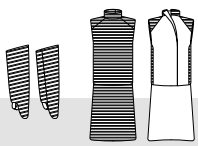
SINGLE 2000 BAR / 30000 PSI ROTOR 3000 BAR / 43500 PSI

SIZES	WEIGHT	ART. NO.
S/M–2XL/3XL	4.9 kg (SIZE L/XL)	51K1068 5075

ALFA KIT

- VEST WITH APRON
- HAND PROTECTIONS

- Water jet protection over the shoulders and all the way down.
- Vest with Apron in flexible protective material provides both high mobility and protection.
- Easy to switch between users, e.g. if used by several operators.
- A great choice for stationary work and in warm environments.
- Add Head Protection, Protective Gloves and Boots or Gaiters for a head to toe coverage.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 2000 BAR / 30000 PSI ROTOR 3000 BAR / 43500 PSI

SIZES	WEIGHT	ART. NO.
XXS/XS, L/XL, 2XL/3XL	3.5 kg (SIZE L/XL)	51K4068 5075



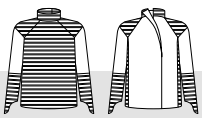






JACKET

- Full front water jet protection as well as round the neck, shoulders and the entire area round the forearm.
- High mobility and comfort thanks to flexible protective material, stretch fabric and advanced design.
- Adjusted fit for high comfort. Extended protective area on the torso and on the side.
- Fastening at the back for full protection in the front.
- A comfortable neoprene cuff inside the arm prevents water leakage.
- Part of the Gamma Kit.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

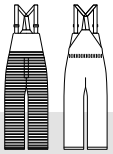
SINGLE 2000 BAR / 30000 PSI ROTOR 3000 BAR / 43500 PSI

SIZES	WEIGHT	ART. NO.
S/M–4XL/5XL	2.5 kg (SIZE L/XL)	5122068 5075

TROUSERS

VENTILATION AVAILABLE

- Full front water jet protection up to the waist.
- High mobility thanks to pre-bent knees and flexible protective material as well as stretch material in the back.
- Adjusted fit for high comfort.
- Extra high wear resistance on the knees and at the bottom of the trousers. Knee pockets for knee pads.
- Adjustable suspenders, elastic rear waist and a belt helps distribute weight and improves the comfort.
- Ventilation is an option. *Read more on page 80.*
- Part of the Gamma Kit and Delta Kit.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 2000 BAR / 30000 PSI ROTOR 3000 BAR / 43500 PSI

SIZES	WEIGHT	ART. NO.
S/M–4XL/5XL	2.7 kg (SIZE L/XL)	5132068 5075


TST
TST

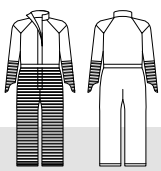






OVERALL

- Water jet protection on the whole front of the legs up to the waist, and round the forearm. Note: No protection on the upper body. Must be worn together with Vest.
- High mobility thanks to pre-bent knees and flexible protective material as well as stretch material in the back.
- Openable legs from the knees down.
- The neoprene collar seals well round the neck while maintaining freedom of movement.
- The Overall stays in place, whether the operator is climbing on ladders or working in narrow spaces.
- Ventilation is an option. *Read more on page 80.*
- Part of the Sigma Kit.
- CE Regulation (EU) 2016/425



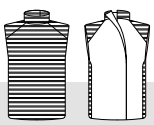
STRIPED AREAS ARE PROTECTED

SINGLE 2000 BAR / 30000 PSI ROTOR 3000 BAR / 43500 PSI

SIZES	WEIGHT	ART. NO.
S–3XL	3.5 kg (SIZE L)	5144068 5075

VEST

- Superior fit and protection surface thanks to expanded size range.
- Flexible protective material increases mobility and protection.
- Effective protection and optimal comfort.
- Part of the Sigma Kit and Delta Kit.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

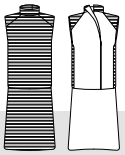
SINGLE 2000 BAR / 30000 PSI ROTOR 3000 BAR / 43500 PSI

SIZES	WEIGHT	ART. NO.
S/M–2XL/3XL	1.7 kg (SIZE L/XL)	5120068 5075



VEST WITH APRON

- Superior freedom of movement and comfort, yet effective water jet protection for the whole front of the body.
- Superior fit and protection surface thanks to expanded size range.
- Flexible protective material increases mobility and protection.
- Vest on top helps spreading the weight of the garment.
- Easy adjusting for different operators and purposes.
- Part of the Alfa Kit.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

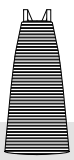
SINGLE 2000 BAR / 30000 PSI ROTOR 3000 BAR / 43500 PSI

SIZES	WEIGHT	ART. NO.
XXS/XS, L/XL, 2XL/3XL	3.0 kg (SIZE L/XL)	5123568 5075



APRON

- Water jet protection on the whole area of the Apron.
- Adjustable shoulder band for comfort and easy donning.
- Very easy to put on and take off. Can easily be used by multiple operators.
- Can be upfolded and fastened for easier work in stairs and on ladders.
- Often used in combination with Hand Protections and Gaiters or Boots 3 000.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 2000 BAR / 30000 PSI ROTOR 3000 BAR / 43500 PSI

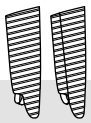
SIZES	WEIGHT	ART. NO.
ONE SIZE	1.5 kg	5123068 5075





HAND PROTECTIONS

- Protects the entire area round the forearm and the back of the hand.
- Easy to put on and is kept in place with a thumb strap.
- Easy adjusting for different arms and clothing.
- Specific right and left hand designs. Sold in pairs.
- Part of Alfa and Sigma Kit.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 2000 BAR / 30000 PSI ROTOR 3000 BAR / 43500 PSI

SIZES	WEIGHT	ART. NO.
ONE SIZE	0.5 kg	5100068 5075

GAITERS 3000 BAR

- To be worn on the outside of regular protective boots.
- The entire area around the leg and the foot is protected.
- Very comfortable and light to wear.
- Easy to adjust for a perfect fit.
- Specific right and left foot designs. Sold in pairs.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 2000 BAR / 30000 PSI ROTOR 3000 BAR / 43500 PSI

SIZES	WEIGHT	ART. NO.
EUR 36–41, 42–48, 49–52	1.4 kg	5158068 5075



10/28

ROTOR **2 800 BAR**

SINGLE **1 000 BAR**

40 000 PSI 15 000 PSI



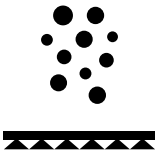
› For UHP water jetting
› Dirt- and water-repellent
› Light and flexible

KEEP DRY AND LIGHT

The outer material has a DWR (Durable Water Repellent) treatment. This keeps the operator dryer and lighter, and makes the clothes easy to clean.

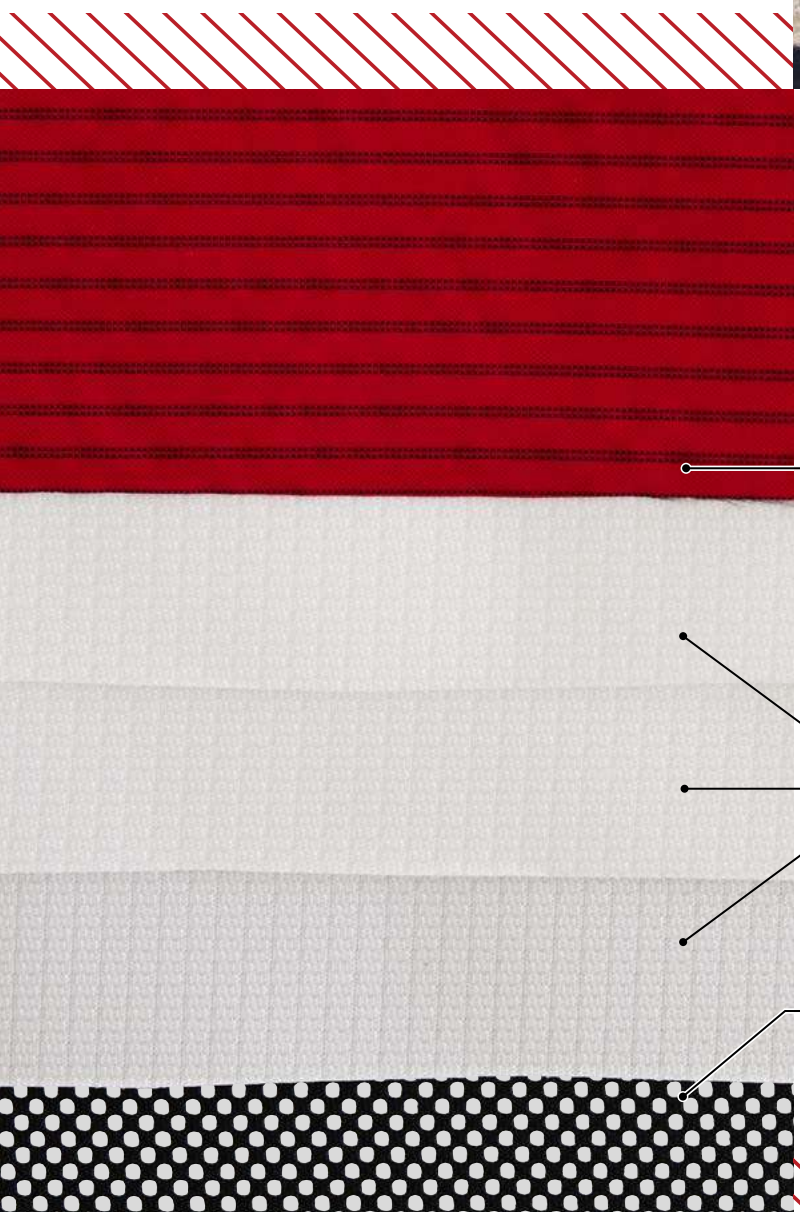


WATER REPELLENT



DIRT REPELLENT





FIVE LAYERS FOR OPTIMAL PERFORMANCE

POLYAMIDE
Dirt and water repellent.
Durability: 300 000 Martindale.

DYNEEMA®
The world's strongest fiber in protective areas.

MESH AND POLYESTER LINING
Ventilating and comfortable.

THE WORLD'S STRONGEST FIBER PROTECTS YOU

In protective areas of the clothing, we use an ultra strong and ultra light fiber – Dyneema®. On a weight for weight basis the fiber is 15 times stronger than steel and up to 40 % stronger than aramids. This enables us to develop protective clothing which are lighter and more comfortable, without compromising on safety and durability.

DYNEEMA®

AREAS WITH PROTECTION

It is essential that the operator knows where and for what the clothes protect. Striped fabric clearly identifies protective areas, and the label tells the level of protection. Yellow label indicates protection for 1 000 bar / 15 000 psi single jet and 2 800 bar / 40 000 psi rotor jet.
Read more on page 110 and see tables on page 106.



10/28



VENTILATION AVAILABLE

KEEP YOUR COOL IN ANY SITUATION

Water jetting is a tough and demanding job.
We offer solutions to help operators stay cool:

- Ventilation in Trousers and Overall
- Ventilation Vest
- Cooling Vest

Benefits:

- Avoid heat stress
- Feel better
- Work longer

Read more on page 80.



PROTECTION
FROM HEAD TO TOE



HEAD PROTECTION 3 000 BAR

See p. 66

JACKET

See p. 32

HOSE PROTECTION

See p. 76

GLOVES 800 BAR

See p. 70

TROUSERS

See p. 32

BOOTS 3 000 BAR

See p. 73

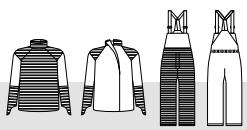


GAMMA KIT

BEST SELLER

- JACKET
- TROUSERS

- Full front water jet protection as well as round the neck, shoulders, and the entire area round the forearm.
- Ventilation is an option. *Read more on page 80.*
- A great choice for jobs that require movement.
- Add Head Protection, Protective Gloves and Boots or Gaiters and you are protected from head to toe.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 1 000 BAR / 15 000 PSI ROTOR 2 800 BAR / 40 000 PSI

SIZES	WEIGHT	ART. NO.
S/M–4XL/5XL	4.3 kg (SIZE L/XL)	51K3047 5000



10/28







JACKET

- Full front water jet protection as well as round the neck, shoulders and the entire area round the forearm.
- Fastening at the back to get the full protection in the front.
- A comfortable neoprene cuff inside the arm prevents water leakage.
- Part of the Gamma Kit.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

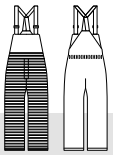
SINGLE 1 000 BAR / 15 000 PSI ROTOR 2 800 BAR / 40 000 PSI

SIZES	WEIGHT	ART. NO.
S/M–4XL/5XL	2 kg (SIZE L/XL)	5122047 5080

TROUSERS

VENTILATION AVAILABLE

- Full front water jet protection up to the waist.
- Very popular among workers who move a lot, climb or crawl.
- Extra high wear resistance on the knees and at the bottom of the trousers. Knee pockets if you want to add knee pads.
- Wide, adjustable braces in stretch material. Elastic part in the rear waist and a belt which helps to distribute weight and improves the comfort.
- For work in warm environments, Trousers can be ordered with ventilation. *Read more on p. 80.*
- Part of the Gamma Kit and Delta Kit.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 1 000 BAR / 15 000 PSI ROTOR 2 800 BAR / 40 000 PSI

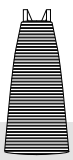
SIZES	WEIGHT	ART. NO.
S/M–4XL/5XL	2.3 kg (SIZE L/XL)	5132047 5000





APRON

- Water jet protection on the whole area of the Apron.
- Adjustable shoulder band for good comfort and easy donning.
- Very easy to put on and take off. Can easily be used by multiple operators.
- Can be upfolded and fastened for easier work in stairs and on ladders.
- Often used in combination with Hand Protections and Gaiters or Boots 3 000.
- CE Regulation (EU) 2016/425



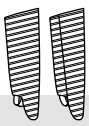
STRIPED AREAS ARE PROTECTED

SINGLE 1 000 BAR / 15 000 PSI ROTOR 2 800 BAR / 40 000 PSI

SIZES	WEIGHT	ART. NO.
ONE SIZE	1.4 kg	5123047 5000

HAND PROTECTIONS

- Protects the entire area round the forearm and the back of the hand.
- Easy to put on and a thumb strap keeps it in place.
- Easy adjusting for different arms and clothing.
- Specific right and left hand designs. Sold in pair.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 1 000 BAR / 15 000 PSI ROTOR 2 800 BAR / 40 000 PSI

SIZES	WEIGHT	ART. NO.
ONE SIZE	0.6 kg	5100047 5000





NEW!

ULTRA OPERATOR®

ROTOR **2 000 BAR**

SINGLE **700 BAR**

30 000 PSI 10 000 PSI

› For UHP water jetting
› Water-repellent
› Very light and flexible


HEAD PROTECTION 3 000 BAR
See p. 66
JACKET
See p. 41
GLOVES 800 BAR
See p. 70
TROUSERS
See p. 41
HOSE PROTECTION
See p. 76
BOOTS 1 200 BAR
See p. 74


PROTECTION FROM
HELMET TO BOOTS

A SINGLE LAYER OF DYNEEMA® IS SUFFICIENT

In the protective areas, the clothing features a new protective material developed in-house using Dyneema®, the world's strongest fiber. It is softer and more flexible than our previous protective materials, yet a single layer delivers the required level of protection. Your operators will feel the difference, in both weight and comfort.



DYNEEMA® LIGHTWEIGHT SOFT & FLEXIBLE





THREE LAYERS FOR OPTIMAL PERFORMANCE

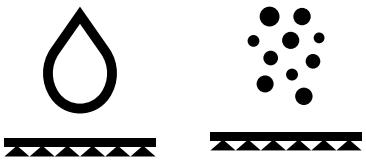
POLYAMIDE
Waterproof and durable.
Hydrostatic head > 10 000 mm, 500 000 Martindale.

DYNEEMA®
The world's strongest fiber in protected areas.
The required level of protection is achieved with a single layer.

MESH LINING
Ventilating and stretchy.

KEEP DRY AND LIGHT

A durable polyamide outer shell engineered to withstand demanding environments, offering high abrasion resistance of 500 000 Martindale. With a hydrostatic head exceeding 10 000 mm, it provides reliable protection against moisture, keeping the operator dry and comfortable throughout the entire shift.



WATER REPELLENT DIRT REPELLENT

AREAS WITH PROTECTION

It is essential that the operator knows where and for what the clothes protect. Striped fabric clearly identifies protective areas, and the label tells the level of protection. Beige label indicates protection for 700 bar / 10 000 psi single jet and 2 000 bar / 30 000 psi rotor jet.

Read more on page 110 and see tables on page 106.







STAY COOL AND PERFORM AT YOUR BEST THROUGHOUT THE WORKDAY.

Ventilation Vest

- Effortlessly adds cooling airflow to your workwear.
- Lightweight and flexible.
- Connects easily to a compressor to deliver continuous cooling airflow.

Cooling Vest

- Effective and gentle cooling without a compressor connection.
- Unique Temptech® elements absorb body heat for up to 4 hours in 45 °C

Read more on page 80.

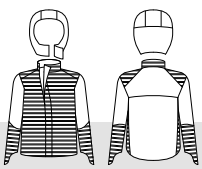






JACKET

- Protection covering the full front of the torso, and around the neck, shoulders, and forearms.
- Front closure with angled zipper at the neck for improved comfort.
- Magnetic closure at the neck for easy and secure fastening.
- Adjustable and detachable hood.
- Ventilation zipper on the upper back.
- Soft neoprene inner cuffs prevent water ingress.
- Water-repellent zippers.
- CE Regulation (EU) 2016/425



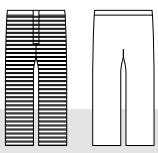
STRIPED AREAS ARE PROTECTED

SINGLE 700 BAR / 10 000 PSI ROTOR 2 000 BAR / 30 000 PSI

SIZES	WEIGHT	ART. NO.
S–4XL	1.7 kg (SIZE L)	5422050 5526

TROUSERS

- Full front water jet protection.
- Detachable elastic braces (included) and elastic waist for optimal fit.
- Belt loops.
- Pre-bent knees for improved mobility.
- Adjustable leg openings with water-resistant zippers for easy donning over boots.
- Elastic at the back of the leg openings.
- Regular fly.
- Reinforced inner lower leg.
- Water-repellent zippers.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

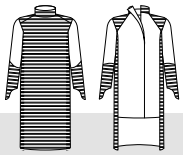
SINGLE 700 BAR / 10 000 PSI ROTOR 2 000 BAR / 30 000 PSI

SIZES	WEIGHT	ART. NO.
S–4XL	1.4 kg (SIZE L)	5432050 5526



COAT

- Protection covering the full front of the torso and the leg area covered by the garment, and around the neck, shoulders, and forearms.
- Back closure with hook-and-loop fastening.
- Soft neoprene inner cuffs prevent water ingress.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

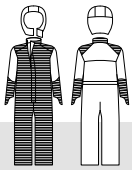
SINGLE 700 BAR / 10 000 PSI ROTOR 2 000 BAR / 30 000 PSI

SIZES	WEIGHT	ART. NO.
S – 4XL/5XL	1.9 kg (SIZE L/XL)	5424050 5526



OVERALL

- Protection covering the full front of the torso and legs, with full coverage around the neck, shoulders, and forearms.
- Angled front zipper and magnetic neck closure for comfort and secure fastening.
- Adjustable and detachable hood.
- Ventilation zipper on the upper back.
- Elasticated back waist and pre-bent knees for enhanced mobility.
- Soft neoprene inner cuffs prevent water ingress.
- Adjustable leg openings with water-resistant zippers for easy donning over boots. Reinforced inner lower leg. Elastic at the back of the leg openings. Regular fly.
- Water-repellent zippers.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 700 BAR / 10 000 PSI ROTOR 2 000 BAR / 30 000 PSI

SIZES	WEIGHT	ART. NO.
S–4XL	2.9 kg (SIZE L)	5444050 5526



APRON

- Protection covering the entire Apron.
- Adjustable shoulder strap for comfort and easy donning.
- Quick and easy to put on and remove.
- One size, suitable for shared use between multiple operators.
- Can be folded and secured with snap fasteners for improved mobility on stairs and ladders.
- Recommended for use in combination with Hand protections.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 700 BAR / 10 000 PSI ROTOR 2 000 BAR / 30 000 PSI

SIZES	WEIGHT	ART. NO.
ONE SIZE	1 kg	5423050 5526



HAND PROTECTIONS

- Protection covering the forearms and the back of the hands.
- Extended design reaching above the elbow, pre-bent sleeve.
- Elasticated upper arm and neoprene cuff ensure a secure fit.
- Neoprene cuff prevents water ingress.
- Ergonomic right and left versions.
- Sold in pairs.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 700 BAR / 10 000 PSI ROTOR 2 000 BAR / 30 000 PSI

SIZES	WEIGHT	ART. NO.
ONE SIZE	0.4 kg	5402050 5526





PROOPERATOR®

ROTOR **500 BAR**

SINGLE **200 BAR**

7 500 PSI 3 000 PSI

› For high-pressure cleaning
› Available in grey and high visibility
› Dirt- and water-repellent

ALL DAY COMFORT AND PROTECTION

The ProOperator® range merges comfort and compliance without compromising on protection. Featuring our Athletic Design with innovative fabric use and optimally positioned seams the range provides superior comfort for the operator all through their workday.
Strategically placed mesh lining and ventilation zippers improve breathability.
Improved fit and pre-bent sleeves and knees increase flexibility.



THE FABRICS

POLYAMID (GREY) / POLYESTER (HI VIS)

The outer shell of the PPE is dirt and water repellent, keeping the operator dry and light. The fabrics have a very high abrasion resistance.

DYNEEMA®

The protective fabric inside the clothing is made of the strongest fiber in the world, 15 times stronger than steel.

SYNTHETIC FIBER-BASED REINFORCEMENT

Reinforcements at the exposed knee areas.

MESH AND POLYESTER LINING

Ventilating mesh lining in the back of the Jacket, Trousers, Overall and Vest makes the clothing airy and comfortable.



DESIGN HIGHLIGHTS

LARGE HOOD

Adjustable and detachable hood in a size compatible with our Head Protection 3 000 bar.

COMFORT FIT

Ergonomic body fit and shoulder design ensuring comfort and flexibility throughout the workday.

REFRESHING VENTILATION

Ventilation zippers lined with mesh on the Trousers, on the legs of the Overall, and on the back of the Jacket and Overall.

PRE-BENT KNEES AND SLEEVES

Adds even further flexibility to our Overall, Trousers, and Jacket.

SINGLE
200 BAR / 3 000 PSI

ROTOR
500 BAR / 7 500 PSI

FLAT
500 BAR / 7 500 PSI

THE WORLD'S STRONGEST FIBER PROTECTS YOU

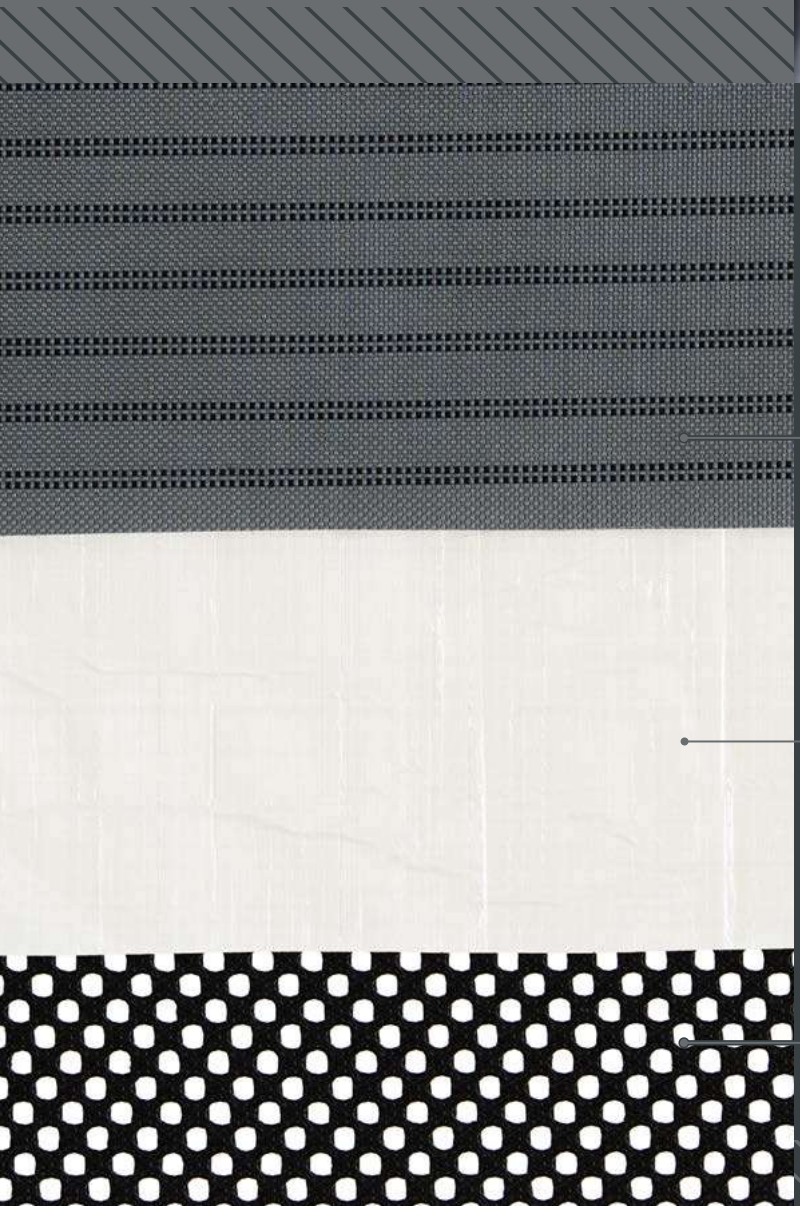
We use an ultra strong and ultra light fiber – Dyneema®. On a weight for weight basis the fiber is 15 times stronger than steel and up to 40 % stronger than aramids. This enables us to develop protective clothing which are lighter and more comfortable, without compromising on safety and durability.

DYNEEMA®

AREAS WITH PROTECTION

It is essential that the operator knows where and for what the clothes protect. Striped fabric clearly identifies protective areas, and the label tells the level of protection. *Read more on page 110 and see tables on page 106.*





THREE DIFFERENT LAYERS WORKING TOGETHER

POLYAMIDE (GREY)
Dirt and water repellent.
Durability: 300 000 Martindale.

DYNEEMA®
The world's strongest fiber in protective areas.

MESH LINING
Ventilating and comfortable.

BE WATERPROOF

The outer material has a DWR (Durable Water Repellent) treatment. This keeps the operator dryer and lighter, and makes the clothes easy to clean. All ProOperator® clothes have waterproof zippers and / or overlapping flaps.



WATER REPELLENT DIRT REPELLENT

STAY COOL AND PERFORM AT YOUR BEST THROUGHOUT THE WORKDAY.

Ventilation Vest

- Effortlessly adds cooling airflow to your workwear.
- Lightweight and flexible.
- Connects easily to a compressor to deliver continuous cooling airflow.



Cooling Vest

- Effective and gentle cooling without a compressor connection.
- Unique Temptech® elements absorb body heat for up to 4 hours in 45 °C



Read more on page 80.

DON'T BLEND IN. STAND OUT.

Did you know that most of our ProOperator® products also comes in a high visibility version? The functionality and comfort are exactly the same as the standard ProOperator®. Instead of our grey fabric, we use a hi vis orange fabric with added reflective material. It provides extra safety in workplaces where it is important or required to be highly visible.


HEAD PROTECTION 3 000 BAR
See p. 66
JACKET
See p. 52
GLOVES 800 BAR
See p. 70
TROUSERS
See p. 52
HOSE PROTECTION
See p. 76
BOOTS 1 200 BAR
See p. 74

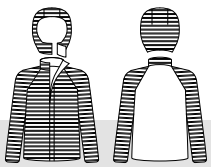

WE KEEP EVERY
PART OF THE BODY
SAFE AND SOUND





JACKET

- Water jet protection on the entire front, arms and hood.
- Two ventilation zippers in the back.
- Lined for high comfort. Comfortable elastic cuffs. Waist adjustable with drawstrings. Adjustable hood.
- Waterproof front zipper with overlapping flap. Essential seams taped.
- Two outer pockets with waterproof zippers. Two inner pockets with zippers.
- CE Regulation (EU) 2016/425



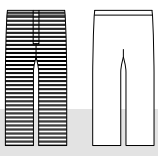
STRIPED AREAS ARE PROTECTED

SINGLE 200 BAR / 3 000 PSI | ROTOR 500 BAR / 7 500 PSI | FLAT 500 BAR / 7 500 PSI

SIZES	WEIGHT	ART. NO.
S–3XL	1.6 kg (SIZE L)	5622025 5024

TROUSERS

- Water jet protection on the entire front.
- Two ventilation zippers in the side seams.
- Detachable elastic braces (included) and adjustable elastic waist for perfect fit. Loops for belt.
- Two outer pockets with waterproof zippers. Essential seams taped.
- Waterproof zippers at the bottom of the legs allow the trousers to widen to facilitate donning the boots. Waterproof zipper in fly with overlapping flap.
- Reinforcements on the knees, and pockets for knee pads (not included).
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 200 BAR / 3 000 PSI | ROTOR 500 BAR / 7 500 PSI | FLAT 500 BAR / 7 500 PSI

SIZES	WEIGHT	ART. NO.
S–3XL	1.3 kg (SIZE L)	5632025 5024





EN ISO 20471

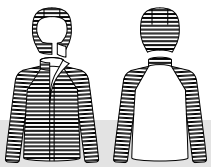


3



JACKET

- Water jet protection on the entire front, arms and hood.
- Two ventilation zippers in the back.
- Lined for high comfort. Comfortable elastic cuffs. Waist adjustable with drawstrings. Adjustable hood.
- Waterproof front zipper with overlapping flap. Essential seams taped.
- Two outer pockets with waterproof zippers. Two inner pockets with zippers.
- CE Regulation (EU) 2016/425
- High visibility clothing: EN ISO 20471



STRIPED AREAS ARE PROTECTED

SINGLE 200 BAR / 3 000 PSI
ROTOR 500 BAR / 7 500 PSI
FLAT 500 BAR / 7 500 PSI

SIZES	WEIGHT	ART. NO.
S–3XL	1.6 kg (SIZE L)	5622025 5624

EN ISO 20471



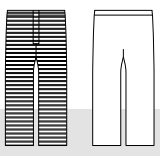
1





TROUSERS

- Water jet protection on the entire front.
- Two ventilation zippers in the side seams.
- Detachable elastic braces (included) and adjustable elastic waist for perfect fit. Loops for belt.
- Two outer pockets with waterproof zippers. Essential seams taped.
- Waterproof zippers at the bottom of the legs allow the trousers to widen to facilitate donning the boots. Waterproof zipper in fly with overlapping flap.
- Reinforcements on the knees, and pockets for knee pads (not included).
- CE Regulation (EU) 2016/425
- High visibility clothing: EN ISO 20471



STRIPED AREAS ARE PROTECTED

SINGLE 200 BAR / 3 000 PSI
ROTOR 500 BAR / 7 500 PSI
FLAT 500 BAR / 7 500 PSI

SIZES	WEIGHT	ART. NO.
S–3XL	1.3 kg (SIZE L)	5632025 5624

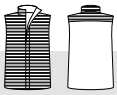
EN ISO 20471





VEST

- Water jet protection on the whole front and upper shoulders.
- Water and dirt repellent, with essential seams taped.
- Comfortable and great for warm environments.
- Waterproof front zipper with overlapping flap.
- Two outer pockets with waterproof zippers.
- CE Regulation (EU) 2016/425
- High visibility clothing: EN ISO 20471



STRIPED AREAS ARE PROTECTED

SINGLE
200 BAR / 3 000 PSI

ROTOR
500 BAR / 7 500 PSI

FLAT
500 BAR / 7 500 PSI

SIZES	WEIGHT	ART. NO.
S–3XL	1 kg (SIZE L)	5620025 5624

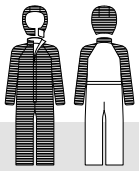






OVERALL

- Water jet protection on the entire front, arms and hood.
- Ventilation zippers at the top and on the legs.
- Lined for high comfort. Comfortable elastic cuffs. Elastic back waist. Adjustable hood.
- Waterproof front zipper with overlapping flap. Essential seams taped.
- Waterproof zippers at the bottom of the legs allow the overall to widen to facilitate donning the boots.
- Two outer pockets with waterproof zippers. Two inner pockets with zippers.
- Reinforcements on the knees, and pockets for knee pads (not included).
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 200 BAR / 3 000 PSI | ROTOR 500 BAR / 7 500 PSI | FLAT 500 BAR / 7 500 PSI

SIZES	WEIGHT	ART. NO.
S–3XL	2.5 kg (SIZE L)	5640025 5024

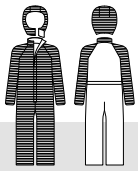
EN ISO 20471

3



OVERALL

- Water jet protection on the entire front, arms and hood.
- Ventilation zippers at the top and on the legs.
- Lined for high comfort. Comfortable elastic cuffs. Elastic back waist. Adjustable hood.
- Waterproof front zipper with overlapping flap. Essential seams taped.
- Waterproof zippers at the bottom of the legs allow the overall to widen to facilitate donning the boots.
- Two outer pockets with waterproof zippers. Two inner pockets with zippers.
- Reinforcements on the knees, and pockets for knee pads (not included).
- CE Regulation (EU) 2016/425
- High visibility clothing: EN ISO 20471



STRIPED AREAS ARE PROTECTED

SINGLE 200 BAR / 3 000 PSI | ROTOR 500 BAR / 7 500 PSI | FLAT 500 BAR / 7 500 PSI

SIZES	WEIGHT	ART. NO.
S–3XL	2.6 kg (SIZE L)	5640025 5624





APRON

- Water jet protection on the entire area of the Apron.
- Water and dirt repellent.
- Great in warm environments.
- Adjustable shoulder bands for added comfort and easy donning.
- Easy to put on and take off.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 200 BAR / 3 000 PSI | ROTOR 500 BAR / 7 500 PSI | FLAT 500 BAR / 7 500 PSI

SIZES	WEIGHT	ART. NO.
ONE SIZE	0.8 kg	5623025 5024

ARM PROTECTIONS

- Water jet protection on the entire area of the Arm Protections.
- Elastic cuffs in both ends for easy donning and good fit.
- Sold in pairs.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 200 BAR / 3 000 PSI | ROTOR 500 BAR / 7 500 PSI | FLAT 500 BAR / 7 500 PSI

SIZES	LENGTH	WEIGHT	ART. NO.
ONE SIZE	50 cm	0.35 kg	5602025 5024




TST
WATERJET
PROTECTION
TST



ACCESSORIES

UP TO **3 000 BAR**

COMPLETE YOUR PROTECTION WITH THE RIGHT ACCESSORIES



HEAD PROTECTION 3 000 BAR

Page 66



BALACLAVA

Page 69



NECK PROTECTION 3 000 BAR

Page 69



VENTILATION VEST

Page 82



COOLING VEST: MULTI

Page 82



COOLING VEST: FLEXI

Page 83



GAITERS 3 000 BAR

Page 73



BOOTS 3 000 BAR

Page 73



BOOTS 1 200 BAR

Page 74



GLOVES 800 BAR

Page 70



HOSE PROTECTION 3000 BAR

Page 77



HOSE PROTECTION 500 BAR

Page 77



TEMPTECH® ELEMENTS

Page 83



GREASE REMOVER

Page 113



HOSE CONNECTION COVER

Page 78



WHIP STOP

Page 78



HEAD PROTECTION 3 000 BAR

- A comfortable Helmet with a Visor and Hearing Protectors.
- All parts are tested up to 3 000 bar / 43 500 psi. The only Head Protection on the market that is tested for high water pressure.
- Hook strap that prevents the helmet from falling off in the event of an accident.
- Hearing Protectors reduce the noise level by up to 33 dB (SNR 32 dB classified).
- Adjustable for optimal protection and fit. 3-point chin strap is included.

Certified in accordance with:

- CE Regulation (EU) 2016/425
- Industrial safety helmets: EN397:2012
- Eye protection: EN166:2001
- Hearing Protection: EN 352-3:2020



STRIPED AREAS ARE PROTECTED

SINGLE 2 000 BAR / 30 000 PSI ROTOR 3 000 BAR / 43 500 PSI

SIZES	ART. NO.
ONE SIZE (53–62 cm)	5102068 5000

PARTS THAT CAN BE ORDERED SEPARATELY

HELMET	HEARING PROTECTORS	VISOR HOLDER NOTE! CAN ONLY BE ATTACHED TO TST'S HEARING PROTECTORS	VISOR – PACK OF 10	CHIN STRAP	HELMET SUSPENSION
					
ART. NO.	ART. NO.	ART. NO.	ART. NO.	ART. NO.	ART. NO.
5102168 5000	5105168 5000	5103168 5000	5104168 5000	5102190 5000	5102490 5000


TST





BALACLAVA

- Designed to keep the body dry.
- To be worn on the outside of the clothing.
- The breast bib is made of Cordura® and is fitted with adjustable straps to hold it in place.
- **No protection against water jets (made of neoprene).**

SIZES	ART. NO.
ONE SIZE	5010000 5000





NECK PROTECTION 3 000 BAR

- Excellent complement to the Head Protection 3 000 bar.
- Protects the sensitive areas between the Head Protection 3 000 bar and the Jacket/Vest.
- Attaches to the rear of Head Protection 3 000 bar. Closes with hooks & loops in front of the face.
- Can be worn in or outside the visor.
- Ventilation is recommended.
- CE Regulation (EU) 2016/425



STRIPED AREAS ARE PROTECTED

SINGLE 2 000 BAR / 30 000 PSI ROTOR 3 000 BAR / 43 500 PSI

SIZES	WEIGHT	ART. NO.
ONE SIZE	0.3 kg	5110568 5075



GLOVES 800 BAR

NEW!

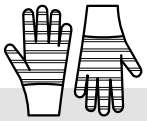
- Seamless knitted gloves with a durable nitrile coating
- Thin, soft and flexible construction
- Close-fitting design for optimal dexterity
- Supplied in 6-pack

The gloves have been tested and classified according to below:
- 3 out of 4 in abrasion resistance
- 4 out of 4 in tear resistance
- 4 out of 4 in puncture resistance
- D out of F in cut resistance TDM (EN ISO 13997)

Certified in accordance with:

- CE Regulation (EU) 2016/425
- Protective gloves against mechanical risks: EN ISO 388:2016+A1:2018

See test results on p. 108.



STRIPED AREAS ARE PROTECTED

SINGLE 200 BAR / 3 000 PSI ROTOR 800 BAR / 11 600 PSI

SIZES	ART. NO.
9, 10, 11, 12	5080025 5015







GAITERS 3 000 BAR

- To be worn on the outside of regular protective boots.
- The entire area around the leg and the foot is protected.
- Very comfortable and light to wear.
- Easy to adjust for a perfect fit.
- Specific right and left foot designs. Sold in pairs.
- CE Regulation (EU) 2016/425



BOOTS 3 000 BAR

- Withstands “everything” within water jetting on account of its fixed aluminium gaiters.
- The gaiters are moulded and jointed, providing excellent comfort and mobility.
- Chem resistant anti-penetration sole.
- Sensitive to small stones and not suitable for uneven ground. For that we recommend the Gaiters.
- CE Regulation (EU) 2016/425
- Safety footwear: EN ISO 20345:2022

See test results on p. 108.



STRIPED AREAS ARE PROTECTED

SINGLE 2 000 BAR / 30 000 PSI ROTOR 3 000 BAR / 43 500 PSI

SIZES	WEIGHT	ART. NO.
EUR 36–41, 42–48, 49–52	1.4 kg	5158068 5075



STRIPED AREAS ARE PROTECTED

SINGLE 2 000 BAR / 30 000 PSI ROTOR 3 000 BAR / 43 500 PSI

SIZES	WEIGHT	ART. NO.
EUR 42–48	1.9 kg each (SIZE 42)	5052080 5000



BOOTS 1 200 BAR

NEW!

- Water jetting boots with protection against high-pressure water jets: 300 bar single nozzle, 1200 bar rotary nozzle.
- Waterproof.
- Durable rubber construction with a textile inner lining.
- Designed to provide a comfortable and secure fit for all-day use.
- Steel toe cap and steel puncture-resistant midsole.
- Outsole is designed to provide reliable grip on wet and demanding surfaces.

Certified in accordance with:

- CE Regulation (EU) 2016/425
- Safety footwear: EN ISO 20345:2022+A1:2024



STRIPED AREAS ARE PROTECTED

SINGLE 300 BAR / 4 350 PSI ROTOR 1 200 BAR / 17 400 PSI

SIZES	ART. NO.
EUR 38–48	5654027 5011


1200



HOSE PROTECTION

The greatest risk areas of a hose break are near or on the water jet gun; areas often very close to the operator and near sensitive areas of the body, such as the abdomen, the arm pit or the neck. These are difficult areas to properly protect.

The Hose Protection, placed on the hose at the connection to the lance, protects the operator if a coupling or a hose breaks or if a pinhole leak occurs. In many countries, the use of hose protection is mandatory. And in some countries a whip stop is also required. Check the rules and regulations in your region.

We recommend at least 1 400 mm/4.6 ft length. With this length, the operator has the best possible protection of the body. Also, the Hose Protection lies on the ground which means the operator doesn't have to carry the weight.

SWIVEL

Hose Protection with swivel makes work easier and more ergonomic. Operators experience less strain on the body, as the swivel rotates freely around the Hose Protection's steel collar and follows the operator's movement. We highly recommend using our Hose Protection with swivel!



SOLID STEEL COLLAR

Closest to the lance, where the hose is most likely to break, there is a 250 mm / 9.8 in. solid steel collar on the Hose Protection 3 000 bar range, which effectively protects the operator in the event of an accident.





HOSE PROTECTION 3000 BAR

- Provides effective protection for the operator. Tested for 3 000 bar / 43 500 psi. *See test results on p. 109.*
- An adjustable strap holds the Hose Protection to the lance.
- Metal ring at the bottom, a wear and tear protection for when the hose is on the ground.

HOSE PROTECTION Ø 36 MM			
LENGTH		ART. NO.	MOD. NO.
750 mm	2.5 ft	5060040	5920
1400 mm	4.6 ft	5060040	5940
1800 mm	5.9 ft	5060040	5960
HOSE PROTECTION Ø 38 MM PIPE EXTENSION 260MM			
1400 mm	4.6 ft	5060043	5940
HOSE PROTECTION Ø 47 MM SWIVEL			
1400 mm	4.6 ft	5060050	5942
HOSE PROTECTION Ø 47 MM PIPE EXTENSION 185 MM			
750 mm	2.5 ft	5060051	5920
HOSE PROTECTION Ø 59 MM			
750 mm	2.5 ft	5060060	5920
1400 mm	4.6 ft	5060060	5940
1800 mm	5.9 ft	5060060	5960

BEST SELLER



HOSE PROTECTION 500 BAR

- Provides effective protection for the operator. Tested for 500 bar/7 500 psi. *See test results on p. 109.*
- An adjustable strap holds the Hose Protection securely in place.
- Very smooth and flexible.

HOSE PROTECTION Ø 41 MM/1.6 IN.		
LENGTH		ART. NO.
750 mm	2.5 ft	5660045 5920
1400 mm	4.6 ft	5660045 5940

HOSE PROTECTION Ø 65 MM/2.6 IN.		
LENGTH		ART. NO.
750 mm	2.5 ft	5660063 5920



HOSE CONNECTION COVER

The Hose Connection Cover protects people working near, or passing by, foot pedals and pumps. Is to be used where hoses have couplings and connections. Does not replace a Hose Protection near the body, when using a water jet gun.

- An adjustable strap holds the Connection Cover securely in place.
- Loops to further fasten and assemble several covers.
- Tested for hose bursts at 3 000 bar / 43 500 psi, but not for pinhole leaks.

See test results on p. 109.

Ø 61 MM / 2.4 IN.					
LENGTH		WEIGHT		ART. NO.	MOD. NO
40 cm	1 ft 4 in	0.4 kg	0.9 lbs	5071000	5910
500 cm	16 ft 5 in	3.8 kg	8.4 lbs	5071000	5978



WHIP STOP

For securing hose ends at foot pedals, pumps or connections. Catches the broken hose and prevents it from whipping. Mounted by slipping it over the hose ends, stretching it and finally tightening the ends, securing with the rubber lock rings.

- Made in strong polyester. Easy to carry, easy to clean.
- Tensile strength 30 kN / 3 tons.
- Width approx 25 mm / 1 in.
- Sold in packs of 50 pcs.
- Produced and tested in accordance with EN 12195-2.

TENSILE STRENGTH	LENGTH		ART. NO.
30 000 N	Approx. 75 cm	Approx. 2.5 ft	5072000 5000


TST

VENTILATION

VENTILATION VEST

Staying comfortable while performing strenuous work like water jetting in warm environments can be a challenge. The new Ventilation Vest provides an ideal solution by effortlessly adding ventilation to your workwear. Lightweight and flexible, this stand-alone garment fits easily under any jacket, vest, or apron. With a simple connection to a compressor via its 6.3 mm integrated hose, it provides constant cooling, helping operators stay focused and comfortable throughout the workday.

Learn more on the next spread.





VENTILATION AVAILABLE

INTEGRATED VENTILATION

We have taken comfort to the next level with the option to add ventilation in our EliteOperator® and 10/28 Trousers and Overall. This solution allows compressed air to flow through the clothing, cooling the operator during the entire work shift.

To make maximum use of the ventilation a continued airflow of 250–400 l/minute (9–14 CFM) at 7 bar is required. Also, smaller compressors can be used if there is a possibility to regulate the airflow.

	ART. NO.
Trousers	5198000 5030
Overall	5198000 5040

& COOLING



COOLING VEST

Effectively and gently cooling the body.
Our Cooling Vest helps operators perform at their best for a longer period. The technology is unique and based on special energy Temptech® elements. The elements absorb heat form the body, providing an effective and gentle cooling for 90 minutes in 60 °C and four hours in 45 °C. The elements recharge without an external energy source: 2–3 hours in 22 °C, 30 minutes in 8 °C and just 5–10 minutes in a freezer or in iced water.

Explore the Cooling vest range on the next spread.



RECHARGES WITHOUT AN EXTERNAL ENERGY SOURCE

To recharge the Temptech® elements, simply store the Cooling Vest at normal room temperature. No external energy source is needed! In lower temperatures, charging is faster.



IN A FREEZER OR IN ICED WATER | **IN 8 °C / 46 °F** | **IN 22 °C / 72 °F**



VENTILATION VEST

- Provides efficient ventilation with a constant airflow by connecting the integrated hose to a compressor.
- Keeps the operator cool and comfortable throughout the entire work shift.
- Designed as a standalone ventilated garment; it can be worn under any jacket, vest or apron.
- Size-adjustable thanks to double-button design.
- Lightweight and easy to wear, allowing for full mobility and flexibility on the job.
- Ideal for hot and demanding environments, reducing heat stress and increasing comfort.
- Washable in 40°C / 104°F.
- The inner diameter of the integrated hose is 6.3 mm. Hose coupling is not included.

SIZES	WEIGHT	ART. NO.
S/M, L/XL, 2XL/3XL	0.6 kg	5198010 5000



COOLING VEST: MULTI

- Reduces heat stress and improves comfort during physical work and hot working conditions.
- Effective and gentle cooling thanks to the unique Temptech® technology that absorbs heat from the body.
- Recharges without an external energy source.
- 20 Temptech® energy elements included.
- Closes with hooks & loops.
- Designed to fit close to the body, with a soft and stretchable fabric.
- Purchase an additional set of Temptech® energy elements to enable continued use without waiting for recharging.

SIZES	WEIGHT	ART. NO.
S/M–4XL/5XL	2.0 kg	3020P60 3313





COOLING VEST: FLEXI

- Reduces heat stress and improves comfort during physical work and hot working conditions.
- Effective and gentle cooling thanks to the unique Temptech® technology that absorbs heat from the body.
- Recharges without an external energy source.
- 16 Temptech® energy elements included.
- Closes with a wide elastic band for a secure and comfortable fit.
- One size, designed to fit multiple users.
- Designed to fit close to the body, with a soft and stretchable fabric.
- Purchase an additional set of Temptech® energy elements to enable continued use without waiting for recharging.

SIZES	WEIGHT	ART. NO.
ONE SIZE - XS–XL	1.8 kg	3020P60 3310

TEMPTECH® ELEMENTS

- Replacement elements for Cooling Vest.
- Temptech® C28 is a salt hydrate based Phase Change Material with a transition temperature of 28 °C / 82 °F.
- Delivered in aluminium foil elements. Its main components are sodium sulphate, water and additives.
- Purchase an additional set of Temptech® energy elements to enable continued use without waiting for recharging.

	ART. NO.
1 ELEMENT	3090280 3920
20 ELEMENTS (COMPLETE SET MULTI)	3091P28 3313
16 ELEMENTS (COMPLETE SET FLEXI)	3091P28 3310





WORKPLACE SAFETY SOLUTIONS

› Protection for pipe and heat exchanger cleaning
› Protection and shielding for work areas
› Easy assembly and handling

MINIMIZE THE SAFETY AREA

Safety areas around high-pressure water jobs must be established. Our Safety Booth and Safety Curtain enable several operators to work closer together without compromising safety. The Safety Curtain can be quickly linked to create effective barriers, offering a lightweight and more efficient alternative to steel or wooden boards. This reduces the required safety area to 1.5 meters from the hazard, protecting people, machinery, vehicles, and electronics outside the barrier.



1,5 M SAFETY AREA

CAN BE LINKED TOGETHER

PROTECTION LEVEL

The fabric in the WSS products have been tested to withstand:

- Water jets up to 3 000 bar / 43 500 psi, 43 l/m, distance: 1.5 m
- Water jets up to 1 100 bar / 16 000 psi, 100 l/m, distance: 2.3 m
- Water jets up to 1 400 bar / 20 300 psi, 40 l/min, distance 75 mm
- Steel bullet 6 mm, 120 m/s
- Stone shot 360 g, 13 m/s

See test tables on page 109.



STEEL BULLET TESTED

STONE SHOT TESTED

MADE IN DURABLE TECHSTEEL™

Our Workplace Safety Solution range is made of an extremely strong fabric called Techsteel™. The fabric is both dirt and water repellent, which makes the products easy to clean. The material is furthermore reinforced with Vectran® (LCP) for maximum strength and durability. The request for these qualities comes originally from the industry of concrete removal and demolition.

Durability: > 500 000 Martindale.



WATER REPELLENT

DIRT REPELLENT

VECTRAN®

TIME- AND COST-SAVING

Our Workplace Safety Solutions not only enhance workplace safety but also saves valuable time and costs by minimizing the need for site cleanup. This is thanks to innovative designs that contain water and debris within a controlled area or collect it directly in containers.





SAFETY FUNNEL

- Increases safety when cleaning heat exchangers.
- Prevents flying objects and water from hitting and injuring people and damaging equipment.
- Improves visibility by reducing the amount of steam and water jets around the heat exchanger.
- The waste water flows out through the Safety Funnel's outlet and can be collected in tanks or septic trucks. Outlet size: approx. Ø 10 cm
- Minimizes the need for site sanitization, resulting in valuable time and cost savings.
- Quick and easy application directly to the heat exchanger.
- Eliminates the need for built protection with e.g. wooden boards or plates.
- Reduces the noise level.
- Easy to clean thanks to the silicon treated Techsteel™ fabric that dirt particles don't stick to.

See test results on p. 109.

TUBE CLEANING NOZZLE 1400 BAR / 20300 PSI

PRODUCT SIZE		HEAT EXCHANGER SIZE		ART. NO.
Ø 70 cm	Ø 27.5 in	approx. Ø 40–70 cm	Ø 15.8–27.5 inch	5830010 8070
Ø 145 cm	Ø 57 in	approx. Ø 71–145 cm	Ø 28–57 inch	5830010 8145
Ø 185 cm	Ø 72.8 in	approx. Ø 146–185 cm	Ø 57.5–72.8 inch	5830010 8185



SAFETY PIPE CAP

- Increases safety when cleaning pipes.
- Prevents flying objects and water from hitting and injuring people and damaging equipment.
- Improves visibility by reducing the amount of steam and water jets around the pipes.
- The waste water flows out through the Safety Pipe Cap's outlet and can be collected in tanks or septic trucks.
  Outlet size: approx. Ø 5 cm on the 10 and 30 diameter Pipe Cap, and approx. Ø 10 cm on the 70 and 145 cm Pipe Cap.
- Minimizes the need for site sanitization, resulting in valuable time and cost savings.
- Quick and easy application directly to the pipe. Eliminates the need for built protection with e.g. wooden boards or plates.
- Reduces the noise level.
- Easy to clean thanks to the silicon treated Techsteel™ fabric that dirt particles don't stick to.

See test results on p. 109.

TUBE CLEANING NOZZLE 1400 BAR / 20300 PSI

PRODUCT SIZE		PIPE SIZE		ART. NO.
Ø 10 cm	Ø 3.9 in	approx. Ø 5–10 cm	Ø 2–4 inch	5830020 8010
Ø 30 cm	Ø 11.8 in	approx. Ø 11–30 cm	Ø 4.3–11.8 inch	5830020 8030
Ø 70 cm	Ø 27.5 in	approx. Ø 40–70 cm	Ø 15.8–27.5 inch	5830020 8070
Ø 145 cm	Ø 57 in	approx. Ø 71–145 cm	Ø 28–57 inch	5830020 8145





SAFETY BOOTH

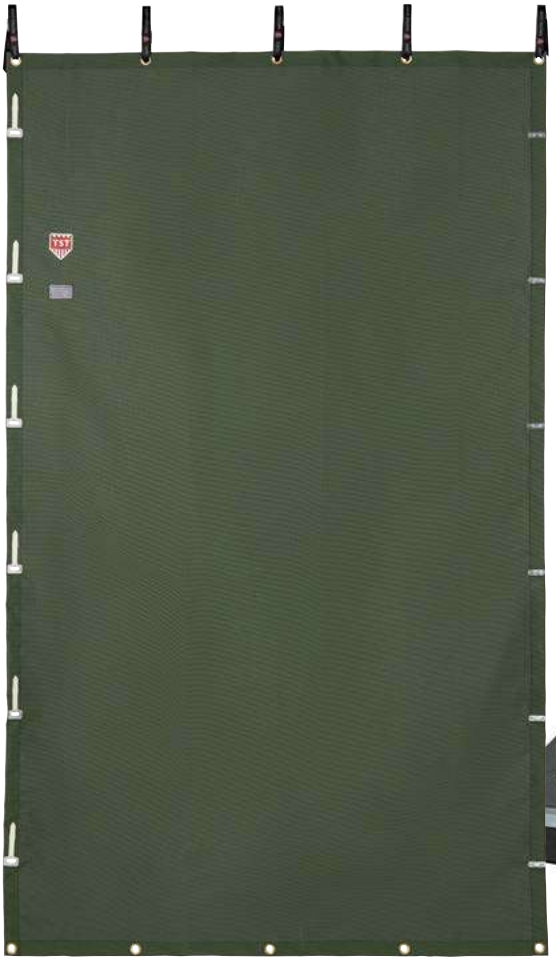
- Provides a safe and comfortable work environment for the operator, with shelter from water, wind, sun, rain, hail, and snow. Add your own fan or heater for additional comfort.
- Made of extremely durable Techsteel™ fabric.
- Measurements: height: approx. 215 cm, length and width: 101 x 101 cm.
- Four straps for anchoring on each of the two sides of the booth.
- Foldable and easy to assemble and disassemble.
- Easy to clean thanks to the silicon treated Techsteel™ fabric that dirt particles don't stick to.
- Possible to connect to the Safety Curtain.

See test results on p. 109.

SINGLE 3 000 BAR / 43 500 PSI

SIZE		WEIGHT	ART. NO.
215 x 101 x 101cm	85 x 40 x 40 inch	20.4 kg	5850012 5000







SAFETY CURTAIN

- Can be put together to form a protective wall of desired length. Each section is approx. 152 x 250 cm / 5x8.2 ft and when put together they build 147 cm / 4.8 ft per curtain.
- Straps on top for easy mounting and holes at the bottom for further securing.
- The sections are easy to connect with strong, easily handled locks.

See test results on p. 109.





SINGLE 3 000 BAR / 43 500 PSI

SIZE		WEIGHT	ART. NO.
152 x 250 cm	5 x 8.2 ft	2.2 kg	5800010 5885

ROBOT GUARD

- Protects the hydrodemolition robot's hood from gravel spray and debris from concrete.
- Available in two versions: for Aquajet's hydrodemolition robots Aqua Cutter 410 and Aqua Cutter 750.
- Quick and easy application to the hood with strong magnets.
- An access flap at the rear can be opened for easy access to the control panel.
- Easy to clean thanks to the silicon treated Techsteel™ fabric that dirt particles don't stick to.

MODEL	ART. NO.
Aquajet Aqua Cutter 410	5860010 4410
Aquajet Aqua Cutter 750	5860010 4750





SCUFF GUARD 70 CM

- Protects valuable hoses and cabling for e.g. hydrodemolition robots from wear and tear.
- Made in extremely durable Techsteel™ fabric.
- 70 cm length, Ø 12 cm
- Easy to mount as it is closed with hooks & loops.
- Eyelets for fastening at the ends. Several Scuff Guards can be linked together.
- **No protection against hose burst nor pinhole leaks.**

LENGTH		Ø	ART. NO.
70 cm	2.3 ft	12 cm / 4.7 inch	5880060 5918

SCUFF GUARD 500 CM

- Protects valuable hoses from wear and tear.
- Made in extremely durable Techsteel™ fabric.
- 500 cm length, Ø 5,5 cm
- Designed as a tube - slides over the hose.
- Eyelets for fastening at the ends. Several Scuff Guards can be linked together.
- Can be pushed together so that a 5 m Scuff Guard fits a e.g. 4 m hose.
- **No protection against hose burst nor pinhole leaks.**

LENGTH		Ø	ART. NO.
500 cm	16.4 ft	5,5 cm / 2.2 inch	5880050 5978



END TO END HOSE PROT

Working with high water pressure entails a constant risk of accidents. While protective clothing helps keep the operator safe, achieving full protection for both personnel and nearby equipment requires addressing a common source of accidents: the hose. At TST Sweden we offer complete hose protection all the way from one end to another, ensuring maximal safety for all.



WHIP STOP + HOSE CONNECTION COVER

Couplings sometimes breaks, e.g. by hose connections, pumps or dump valves. If so, the Whip Stop secures the hose and keeps it from whipping and hitting people passing by. In case of a hose break, the Hose Connection Cover protects.

TECTION



WHIP STOP

The coupling on the gun connection can break. If that happens the Whip Stop catches the hose and prevents it from whipping and thus harming the operator.

HOSE PROTECTION

The hose can break close to parts of the operator's body that are difficult to protect with clothing, such as the abdomen, armpit and neck. In case of hose breakage and pinhole leaks, the Hose Protection protects the operator from harm.

SCUFF GUARD

Expensive hoses can be worn out and tear when rubbed on sharp edges and other rough surfaces. The Scuff Guard protects hoses and increases their longevity.





SAFETY & TECHNICAL INFO

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Three steps to safer water jetting 101
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Key facts about high-pressure jet PPE 103
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SAFETY FIRST

Is it really necessary to always use PPE (Personal Protective Equipment) when working with high-pressure cleaning or water jetting? Before you answer, read this.

Your eyes are at risk of damage already at a pressure of 7 bar / 100 psi and above. Skin penetration may occur from 80 bar / 1 160 psi. High-pressure cleaning uses approximately 200 bar / 2 900 psi. In water jetting the pressure is 1 200 bar / 17 400 psi or more, that's enough to cut through concrete! What it could do to the human body isn't hard to imagine. Unfortunately we have seen these effects. That is why our motto is "Saving Lives".

Water jetting can be dangerous even if you do everything right. Accidents happen when you least expect them to.

Hoses burst and couplings break. Even the most experienced worker may slip. That's why you should never allow exemptions from wearing PPE even for jobs that "will only take a few minutes". If you are within an area of about 25 meters radius from high water pressure activities – regardless of it being performed by
a colleague, a robot, or an automated solution – we highly recommend that you use PPE.

Employers have obligations concerning the provision and use of PPE at work. By using our products, you will contribute to a safer workplace where the workers safety and wellfare is highly valued. Make sure that your employees get to go home to their loved ones, every day – and are fit for work again the next day.

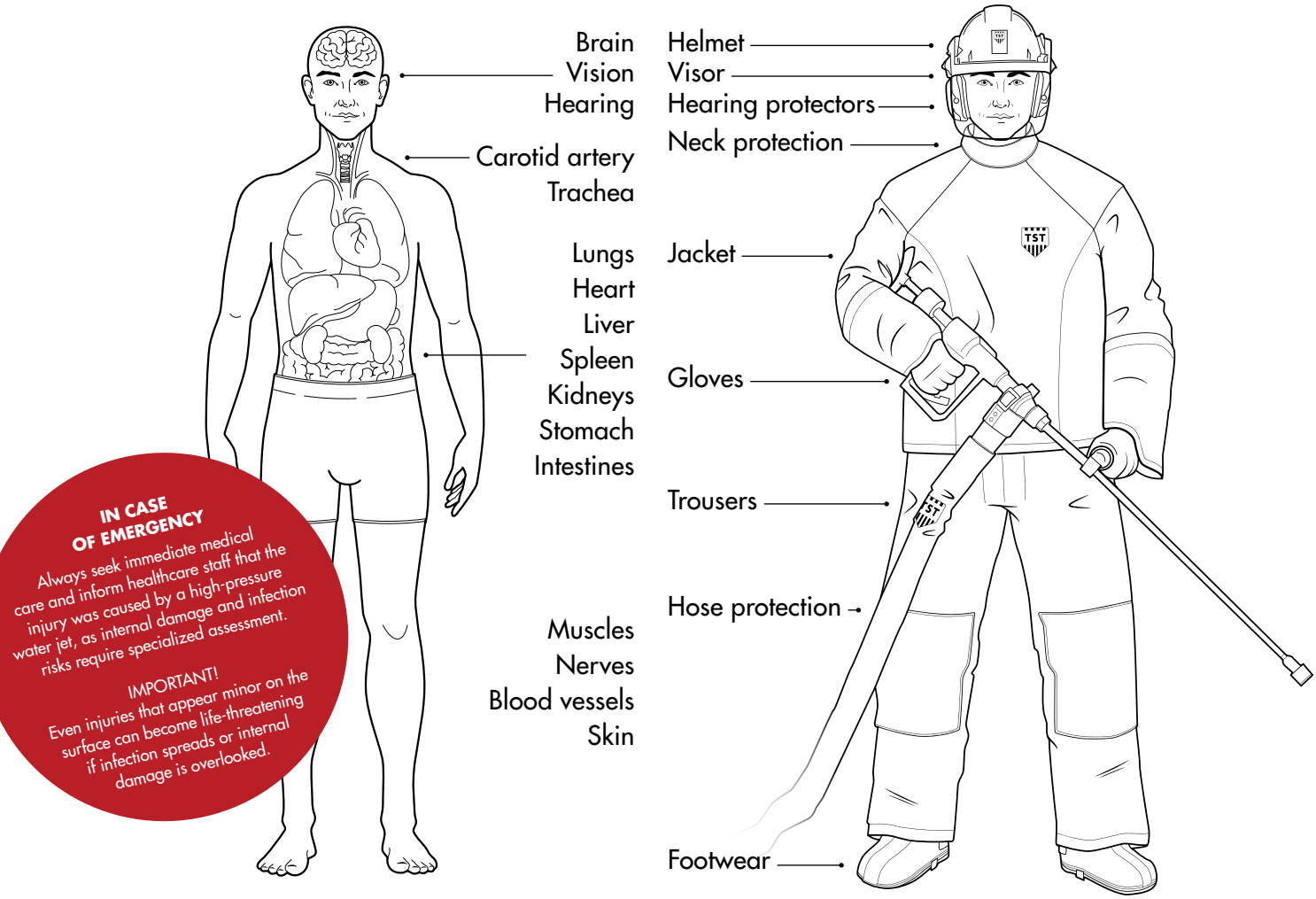
CE All of our personal protective equipment is certified in accordance with Regulation (EU) 2016/425.
TST Sweden is also certified in accordance with ISO 9001:2015 and ISO 14001:2015 – important tools for ensuring the quality of our products and our work to lay the foundation for positive environmental development.


Eye injury
may occur from
7 bar / 100 psi
Skin penetration
may occur from
80 bar / 1 160 psi
TST Sweden's PPE
withstands up to
3 000 bar / 43 500 psi
TST

SAFE FROM HEAD TO TOE WITH THE RIGHT PPE

Pressures as low as 80 bar can penetrate the skin and force contaminated water into the body, posing a critical hazard. At higher pressures, an accident can become life-threatening or fatal instantly.

GEAR UP. BE PREPARED. STAY SAFE.



IN CASE OF EMERGENCY

Always seek immediate medical care and inform healthcare staff that the injury was caused by a high-pressure water jet, as internal damage and infection risks require specialized assessment.

IMPORTANT!
Even injuries that appear minor on the surface can become life-threatening if infection spreads or internal damage is overlooked.

INJURY RISKS

An injury caused by a high-pressure jet striking a person can lead to:

DEATH
Caused by severe internal injuries, massive bleeding, or life-threatening infections, from e.g. contaminated water.

AMPUTATION
Caused by severe tissue destruction or infections following deep penetrating wounds.

DISABILITY
Caused by nerve, muscle, or tissue damage leading to permanent loss of sensation, reduced mobility, or chronic pain.

BLINDNESS
Caused by direct jet impact, ricochet, or penetrating eye injuries that can cause permanent damage.

THREE STEPS TO SAFER WATER JETTING

1. RISK ANALYSIS

Identify hazards related to the force of the water jet, equipment, environment and work tasks. Assess the work area, equipment and procedures, as well as the operators' training and competence. Define the risk zone and identify who may enter or be exposed to it.

2. ELIMINATE THE RISKS AT THE SOURCE

Apply technical, organisational and collective safety measures to reduce operator exposure. Where possible: lower water pressure when the task allows; secure hoses, fittings and equipment; keep the work area free of obstacles and slipping hazards; and restrict access to the risk zone to essential personnel.

3. PPE FOR THE REMAINING RISKS

- **In water jetting, the high-pressure jet itself remains a hazard, making PPE the final and critical safety barrier.**
- **Use certified PPE specifically tested for high-pressure jets.**
  Required by EU legislation from 200 bar.
- **Select PPE appropriate for the application and operating conditions.**
  The PPE's level of protection must match the conditions involved.
- **Ensure operators wear PPE that protects all parts of the body that may be exposed during the task.**
- **Inspect PPE before use.**
  Look for wear, cuts, leaks, or damaged components. Replace damaged PPE.
- **Train operators in correct use and limitations of PPE.**
  PPE is the last defence – it must be maintained and used correctly.

HAZARDS & RISKS

A high-pressure jet can accidentally hit a person as a result of:

EQUIPMENT FAILURE
Hose burst, fitting failure, uncontrolled jet release, or pinhole leak.

LOSS OF CONTROL
Slipping, imbalance, poor grip, missteps or improper handling.

RECOIL FORCES
Reaction forces from the jet can cause sudden kick-back or loss of control.

RICOCHET & REFLECTION
Jet may deflect, ricochet or change direction suddenly.

ENVIRONMENT & HUMAN FACTORS
Slippery surfaces, confined spaces, insufficient training, or fatigue.

SIX REASONS TO EQUIP YOUR OPERATORS WITH PPE



SAVE LIVES

PPE helps to ensure that accidents don't turn into serious injuries. Thanks to PPE, employees return home safe to their loved ones after every shift. Safety isn't just regulatory compliance – it protects real people, and it saves lives.



STAY COMPLIANT

PPE helps employers comply with applicable legislation, local safety regulations and insurance requirements. Thanks to PPE, you reduce legal risks, avoid penalties and demonstrate that safety is built into your operations.



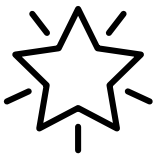
WIN MORE CONTRACTS

Asset owners require contractors to provide operators equipped with approved PPE. Thanks to PPE, you meet procurement standards, strengthen your credibility and turn safety into a competitive advantage.



AVOID COSTLY DOWNTIME

PPE limits the impact of accidents on people, schedules and budgets. Thanks to PPE, incidents are less likely to disrupt operations – protecting productivity, delivery timelines and your bottom line.



KEEP SKILLED OPERATORS

PPE helps create a safer environment that retains experienced staff longer. Thanks to PPE, your team feels protected and valued, increasing loyalty and reducing the hidden costs of recruitment and retraining.



STRENGTHEN SAFETY CULTURE

Consistent PPE use sets clear safety standards and reinforces shared responsibility. Thanks to PPE, safety becomes a visible commitment across the organisation – shaping behaviors and decisions.

KEY FACTS ABOUT HIGH-PRESSURE JET PPE

WHY HIGH-PRESSURE JET PPE IS NEEDED

✔ Ordinary workwear does not protect against high-pressure water jets – not even at relatively low pressures.

✔ Without proper PPE, high-pressure jets can cause severe and fatal injuries within seconds in the event of an accident.

✔ Certified high-pressure jet PPE is specifically designed and tested to protect against high-pressure jet impact.

EU LEGAL REQUIREMENT: CERTIFIED PPE FROM 200 BAR

✔ EU law requires employers to provide PPE for risks that cannot be eliminated at the source – such as high-pressure jets in water jetting applications.

✔ EU law requires PPE designed to protect against high-pressure jets to be certified in accordance with Regulation (EU) 2016/425 to be placed on the EU market.

✔ The EU defines high-pressure jets as 200 bar and above.

NO STANDARDISED PROTECTION LEVELS

✔ There are no standardised protection classes for high-pressure jet PPE in the EU.

✔ Different manufacturers may use different values when testing and certifying the PPE.

✔ Carefully review the test parameters and values under which the PPE was tested and certified to assess its actual level of protection.

GLOBALLY TRUSTED CERTIFICATION

✔ PPE certified under the EU's rigorous safety legislation is globally trusted, as it requires:

Module B
- Independent third-party certification of the PPE's protective performance against the defined hazard

Module D
- Ongoing third-party production quality assessment
- Documented compliance and full product traceability

MATCH YOUR OPERATING PARAMETERS

✔ Ensure the certified level of protection of the PPE matches your operating conditions – including:

› **Pressure**
› **Flow rate**
› **Nozzle type**

✔ Jet impact also depends on:

› **Distance**
› **Sweep speed**

HOW TO VERIFY CERTIFICATION

✔ Check for the **CE-marking** on the PPE.

✔ Request and review the **EU Declaration of Conformity (DoC)**:
- Ensure the certification specifically covers **high-pressure jet PPE**
- Ensure DoC states compliance with **Regulation (EU) 2016/425**

✔ The CE-marking confirms compliance with applicable EU legislation, the DoC specifies which risk the PPE is designed and certified to protect against.

SAVING LIVES THROU

Our promise to our customers and their families is to save lives. As we contribute to safer workplaces around the world, we are also committed to minimizing our impact on the planet – a responsibility that drives us on a continuous journey of improvement. Through thoughtful choices and genuine dedication, we aim to support sustainable development.

Guided by the UN global goals
The UN's global goals are essential guideposts for sustainable development, and TST is committed to supporting them. Goal 8.8: *Protect labor rights and promote safe working environments* is more than a guideline to us – it is the very reason TST exists and the core of our mission. As a producer, we also embrace our responsibility for Goal 12: *Responsible consumption & production*. In the water-intensive fields of textile manufacturing and water jetting, we recognize our role in advancing Goal 6: *Clean water & sanitation*.

Local manufacturing
We manufacture the vast majority of our products in Sweden and Latvia, working closely with trusted, long-term partners to ensure fair working conditions and responsible water management throughout our value chain. The proximity to our manufacturers also reduces the need for unnecessary long transport to our warehouse in Sweden, helping to lower our environmental impact.

Made to protect, not to waste
At TST, we avoid overproduction, ensuring that everything we create is put to use and finds its way to workplaces around the world, saving lives. Our focus is on producing only what is needed, so nearly nothing goes to waste. This approach not only supports sustainability but also aligns with our mission to provide the best protection where it's needed most.

Certified safety and quality
All our PPE products are CE certified in accordance with the PPE Regulation (EU) 2016/425: the European legislation for Personal Protective Equipment. TST Sweden is certified according to ISO 14001 environmental management and ISO 9001 for quality management. We work systematically to improve our products and reduce our climate impact.

Minimizing chemicals, maximizing protection
We follow the REACH regulation which concerns the registration, evaluation, authorization, and restriction of chemical substances. Fabric treatments including chemicals are essential for creating protective clothing with long-lasting durability, adding water and dirt resistance. We regularly evaluate new ways to minimize our chemical use, without compromising the life-saving quality of the garments.

Global reach, local support
Serving a global market often means covering long distances to reach our customers. By working with trusted local Distributors, we ensure that our products are available worldwide – without requiring constant travel from TST's sales team. However, occasional visits to our Distributors are key to ensuring they have the knowledge needed to support end customers effectively. While we are conscious of the environmental impact of air travel, we believe these trips are essential to fulfilling our mission of saving lives.

Innovating protection
Our focus is on innovation, striving to lead the industry in developing materials that make our products safer, more comfortable, and more sustainable. Through collaborative partnerships, we actively drive the advancement of technical textiles for personal protection, contributing our expertise in various networks to support ongoing development.

Safety academy
Through our promise *Saving Lives* we are committed to ensuring that our customers come home to their family and loved ones every day. Therefore, educating the world about using correct water jet protection is a task we are passionate about.
Our ambition is to spread knowledge to employers and workers all around the world, helping to make safety a shared priority.

Seeds of inspiration
We are dedicated to giving back to the community by supporting local organizations and initiatives that promote a more inclusive and sustainable society. From the coffee we drink to the cars we drive, we strive to make thoughtful choices. Just outside our office, we've replaced our lawn with a wildflower meadow to boost local biodiversity – a small step we hope will plant a seed of inspiration and encourage others to join us in building a greener future. Together, we can make a real difference.

UGH SUSTAINABILITY



TEST RESULTS - PROTECTION LEVELS

How to read the test results: There is no international standard for the testing of protection levels. Therefore the testing can differ significantly between companies. For this reason it is crucial to be aware of the differences and how and what to properly compare. A protection level of eg. 3 000 bar can mean different things, depending on the pressure, flow, nozzle, distance or speed used while testing. To verify the protective qualities we have chosen the most common working conditions when performing our tests of notified body. Most nozzles perform at their best between 50 and 100 mm, therefore we have chosen the distance of 75 mm. Rotating tests have been performed with two nozzles (adding more nozzles result in a lower overall impact). On this and the next spread, you can read how our products are tested.

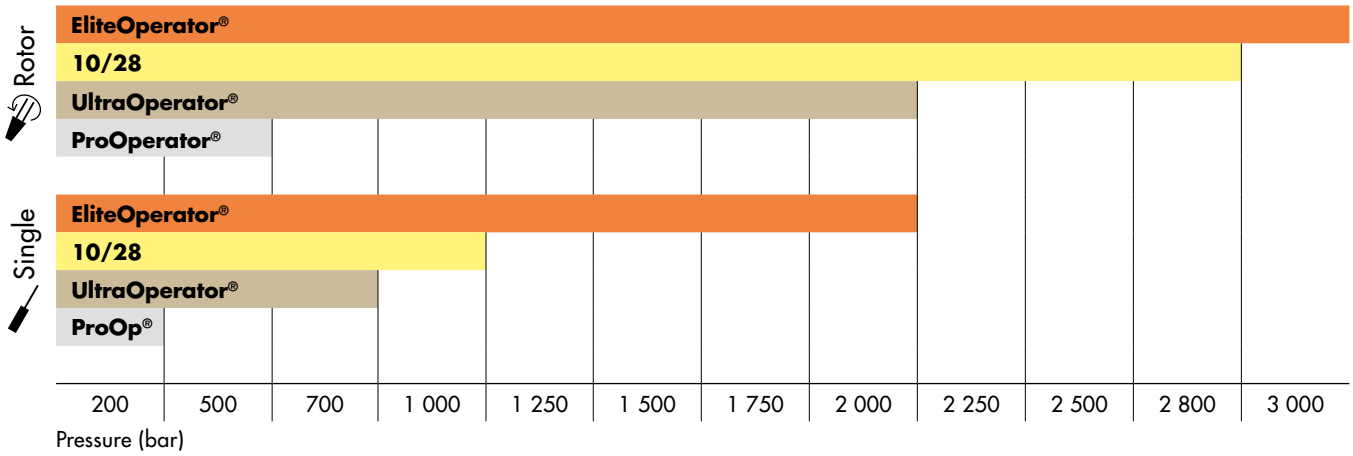
PROTECTIVE CLOTHING

Product category	Pressure		Flow		Nozzle		
	Bar	Psi	Litres/minute	Gallons/minute	Type	Quantity	
EliteOperator®	3 000	43 500	19.5	5.2	 Rotor	2	
EliteOperator®	2 000	30 000	17.9	4.7	 Single	1	
10/28	2 800	40 000	18.8	5.0	 Rotor	2	
10/28	1 000	15 000	19.8	5.2	 Single	1	
UltraOperator®	2 000	30 000	15.9	4.2	 Rotor	2	
UltraOperator®	700	10 000	16.6	4.4	 Single	1	
ProOperator®	500	7 500	16.9	4.5	 Rotor	1	
ProOperator®	200	3 000	10.7	2.8	 Single	1	

Note! The tests simulate conditions of a hypothetical accident.
Different values, eg. pressure, flow, nozzle, distance or speed, can give significantly different results!

RESULTS

GUIDE - PROTECTION LEVELS PPE



Diameter mm	Diameter in	RPM Revolutions per minute	Distance		Linear speed		Result
			mm	in	m/s	in/sec	
0.6	0.024	3 000	75	3	0.5	20	No penetration
0.8	0.031	-	75	3	0.5	20	No penetration
0.6	0.024	3 000	75	3	0.5	20	No penetration
1.0	0.039	-	75	3	0.5	20	No penetration
0.6	0.024	3 000	75	3	0.5	20	No penetration
1.0	0.039	-	75	3	0.5	20	No penetration
1.1	0.04	N/A	75	3	0.5	20	No penetration
1.1	0.04	-	75	3	0.5	20	No penetration

OVERVIEW – PROTECTION LEVELS CLOTHING

Product category	Rotor		Single	
	Bar	Psi	Bar	Psi
EliteOperator®	3 000	43 500	2 000	30 000
10/28	2 800	40 000	1 000	15 000
UltraOperator®	2 000	30 000	700	10 000
ProOperator®	500	7 500	200	3 000

HEAD PROTECTION 3000 BAR

Pressure		Flow		Nozzle				RPM	Distance		Linear speed		Result
Bar	Psi	Litres/ minute	Gallons/ minute	Type	Quantity	Diameter mm	Diameter in		mm	in	m/s	in/sec	
3 000	43 500	19.5	5.2	Rotor	2	0.6	0.024	3 000	75	3	0.5	20	No penetration
2 000	30 000	17.9	4.7	Single	1	0.8	0.031	-	75	3	0.5	20	No penetration

BOOTS 3000 BAR

Pressure		Flow		Nozzle				RPM	Distance		Linear speed		Result
Bar	Psi	Litres/ minute	Gallons/ minute	Type	Quantity	Diameter mm	Diameter in	Revolutions per minute	mm	in	m/s	in/sec	
3 000	43 500	19.5	5.2	Rotor	2	0.6	0.024	3 000	75	3	0.5	20	No penetration
2 000	30 000	17.9	4.7	Single	1	0.8	0.031	-	75	3	0.5	20	No penetration

BOOTS 1 200 BAR

Pressure		Flow		Nozzle				RPM	Distance		Linear speed		Result
Bar	Psi	Litres/ minute	Gallons/ minute	Type	Quantity	Diameter mm	Diameter in	Revolutions per minute	mm	in	m/s	in/sec	
1 200	17 400	12.3	3.25	Rotor	2	0.6	0.02	~1500	75	3	0.5	20	No penetration
300	4 350	13.1	3.5	Single	1	1.1	0.04	-	75	3	0.5	20	No penetration

GLOVES 800 BAR

Pressure		Flow		Nozzle				Distance		Linear speed		Result
Bar	Psi	Litres/ minute	Gallons/ minute	Type	Quantity	Diameter mm	Diameter in	mm	in	m/s	in/sec	
800	11 600	17.4	4.6	Rotor	2	0.7	0.02	75	3	0.5	20	No penetration
200	3000	10.7	2.83	Single	1	1.1	0.043	75	3	0.5	20	No penetration

HOSE PROTECTION

Product	Diameter		Burst test			Pinhole leak test	
	mm	inch	Bar	Psi	Result	Tested	Result
Hose Protection 3000 Bar	36, 47, 59	1.42, 1.85, 2.32	3 000	43 500	No penetration	Yes	No penetration
Hose Connection Cover	61	2.40	3 000	43 500	No penetration	No	-
Hose Protection 500 Bar	41	1.61	1 800	26 100	No penetration	No	-
Whip Stop	-	-	-	-	30 kN	-	-

WORKPLACE SAFETY SOLUTIONS

HIGH-PRESSURE WATER JET TEST

Test is relevant for	Pressure		Flow		Nozzle	Newton	Distance		Result
	Bar	Psi	Litres/ minute	Gallons/ minute					
Safety Curtain	1 100	16 000	100	26.4	Single	740	2.3 m	7.5 ft	No penetration
Safety Curtain	3 000	43 500	43	11.4	Single	550	1.5 m	5 ft	No penetration
Safety Funnel	1 400	20 300	40	10.5	Tube nozzle	350	75 mm	3 in	No penetration
Safety Pipe Cap	1 400	20 300	40	10.5	Tube nozzle	350	75 mm	3 in	No penetration
Safety Booth	3 000	43 500	43	11.4	Single	550	1.5 m	5 ft	No penetration

PROJECTILE TEST

Projectile	Linear speed		Number of textile layers	Result	Test method
	m/s	ft/sec			
Steel bullet, 6 mm	120	393.7	1	No penetration	EN 168
Stone shot, 360 g	13	42.7	1	No penetration	EN 1794-1

MARTINDALE ABRASION TEST

The Martindale abrasion test simulates natural wear of a textile, in which the textile sample is rubbed against a standard abrasive surface with a specified force. Domestic cotton fabrics often have a rating of 20 000 rubs and polyester fabrics have 30 000.

The Techsteel™ glossy fabric in EliteOperator® and Workplace Safety Solutions has over 500 000. The outer fabric in 10/28 and ProOperator has a rating of 300 000. The method for Martindale test is EN ISO 12947-1:1998.

PROTECTED AREAS



The illustrations accompanying each product show the protected areas.

ELITEOPERATOR®



10/28



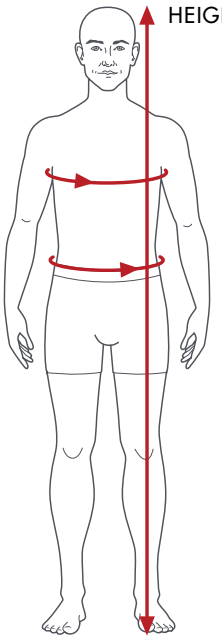
ULTRAOPERATOR®



PROOPERATOR®



SIZING TABLES



CHEST

Measure the circumference of your chest at its widest point.

WAIST

Measure the circumference of your waist at the top of your hipbone, usually at the level of your belly button.

CLOTHING

SINGLE SIZES

Sizes (Mens)	Height		Chest		Waist	
	cm	ft and inch	cm	inch	cm	inch
XS	168 – 180	5' 6" – 5' 11"	84 – 88	33 – 35	72 – 76	28 – 30
S	168 – 184	5' 6" – 6' ½"	92 – 96	36 – 38	80 – 84	31 – 33
M	168 – 184	5' 6" – 6' ½"	98 – 104	39 – 41	88 – 92	34 – 37
L	176 – 192	5' 9" – 6' 4"	108 – 112	42 – 44	97 – 102	38 – 41
XL	176 – 192	5' 9" – 6' 4"	116 – 120	45 – 48	108 – 114	42 – 45
2XL	187 – 206	6' 2" – 6' 9"	124 – 128	49 – 51	120 – 126	47 – 50
3XL	187 – 206	6' 2" – 6' 9"	132 – 136	52 – 54	132 – 138	52 – 55

DOUBLE SIZES

Sizes (Mens)	Height		Chest		Waist	
	cm	ft and inch	cm	inch	cm	inch
S/M	168 – 184	5' 6" – 6' ½"	92 – 104	36 – 41	80 – 92	31 – 37
L/XL	176 – 192	5' 9" – 6' 4"	108 – 120	42 – 48	97 – 114	38 – 45
2XL/3XL	187 – 206	6' 2" – 6' 9"	124 – 136	49 – 54	120 – 138	47 – 55
4XL/5XL	187 – 206	6' 2" – 6' 9"	140 – 152	55 – 60	144 – 162	56 – 64

BOOTS 3000 BAR

EUR	US	UK
42	9	9
43	9 ½	9 ½
44	10	10
45	10 ½	10 ½
46	11	11
47	12	12
48	13	13

GAITERS

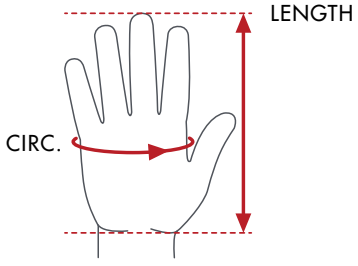
EUR	US	UK
36 – 41	4 – 8	4 – 8
42 – 48	9 – 13	9 – 13
49 – 52	14 – 16	14 – 16

BOOTS 1 200 BAR

EUR	US	UK	LENGTH OF INSOLE	
			cm	inch
38	5 ½	4 ½	25.3	10
39	6 ½	5 ½	26	10.2
40	7	6	26.6	10.5
41	8	7	27.3	10.7
42	8 ½	7 ½	28	11
43	9 ½	8 ½	28.6	11.3
44	10	9	29.3	11.5
45	11	10	30	11.8
46	11 ½	10 ½	30.6	12
47	12 ½	11 ½	31.3	12.3
48	13 ½	12 ½	32	12.6

GLOVES 800 BAR

	LENGTH cm	CIRCUMFERENCE cm
9	19	23
10	20.5	25
11	21.5	28
12	>21.5	30



CLEAN & CARE

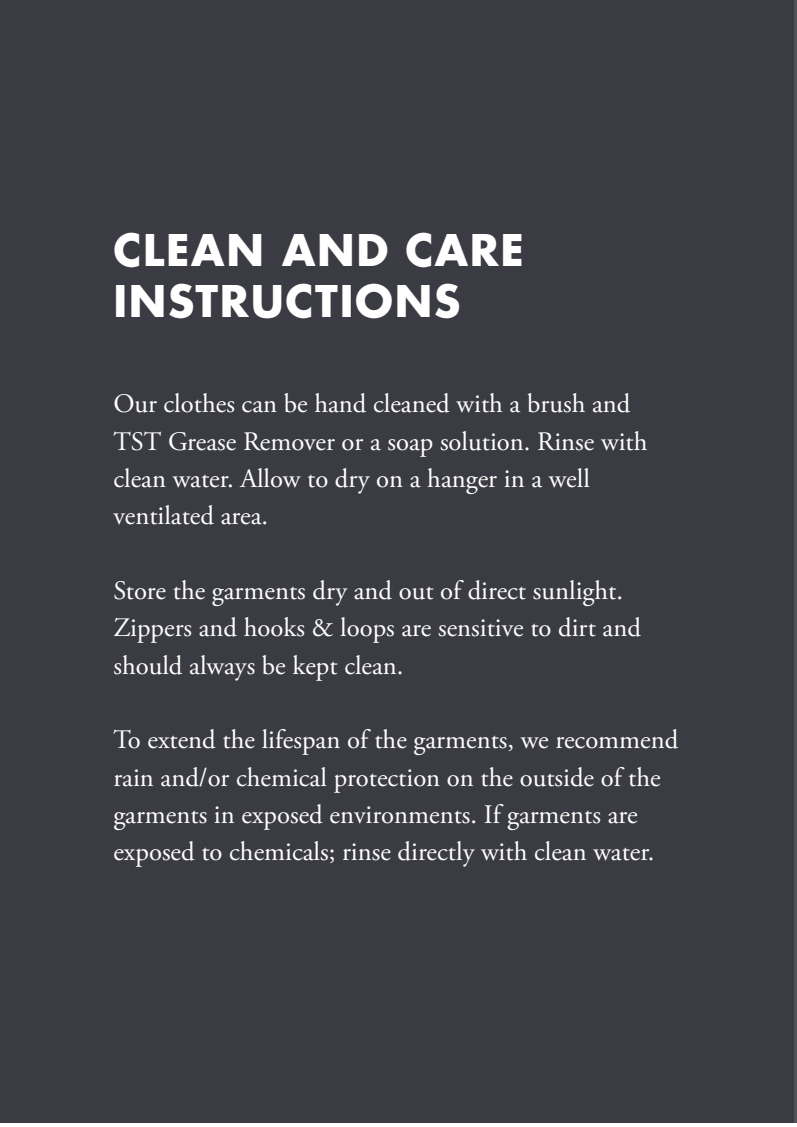

TST
SAVING LIVES
TST GREASE REMOVER
Art No. 5092000
Specially formulated for TST Waterjet Protection clothing and equipment.
Mix 1:10 with warm water.
TST-SWEDEN.COM
TST
SAVING LIVES
TST GREASE REMOVER
Art No. 5092000
Specially formulated for TST Waterjet Protection clothing and equipment.
Mix 1:10 with warm water.
TST-SWEDEN.COM

CLEAN AND CARE INSTRUCTIONS

Our clothes can be hand cleaned with a brush and TST Grease Remover or a soap solution. Rinse with clean water. Allow to dry on a hanger in a well ventilated area.

Store the garments dry and out of direct sunlight. Zippers and hooks & loops are sensitive to dirt and should always be kept clean.

To extend the lifespan of the garments, we recommend rain and/or chemical protection on the outside of the garments in exposed environments. If garments are exposed to chemicals; rinse directly with clean water.





TST GREASE REMOVER

- Grease Remover, specially formulated for TST clothing.
- Mixed with warm water 1:10 and applied to the soiled garment with a brush.

SIZES	ART. NO.
0.5 litre	5092000 5010
2.5 litre	5092000 5020



THIS IS TST

SAFETY FIRST SINCE 1990

At TST Sweden, we have built our reputation in water jetting safety through a strong commitment to innovation and quality. For decades, we have focused on improving safety in demanding work environments, continually striving to raise safety standards. With nearly 40 years of experience, we owe our success to our extensive textile expertise and dedication to creating safety solutions tailored to industry needs.





LOCAL ROOTS, SHARED EXPERTISE

Founded in Sjuhäradsbygden in south-west Sweden, we remain rooted in a region with over a century of textile production. Home to several of Sweden's leading fashion and textile companies, the region brings together deep industry expertise and strong collaboration. This heritage and shared knowledge continue to shape our work today.

T SWEDEN



A FAMILY BUSINESS

Jörgen Lillieroth founded TST Sweden and built it into a world leader in personal protective equipment for high-pressure water jetting. In 2024, he handed over the role of CEO to his daughter, Amanda Lillieroth. Shortly afterwards, his son, David Lillieroth, joined the company as Operations Director. A new generation. The same strong commitment to saving lives worldwide.

OUR PROMISE: SAVING LIVES

We take our promise very seriously. Every day, we do our utmost to keep operators safe with the best possible PPE. And we never stop striving to improve. PPE can always be better, safer and more comfortable.
That is our promise to you.

OUR VALUES

Trustworthy
We build trust through our actions and products.

Developmental
We develop world-class products through continuous innovation and collaboration with leading universities and suppliers.

Long-term
We develop lasting products and build enduring relationships with customers and suppliers.

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TST®

SAVING LIVES