# **WORKBOOK 20/21**



WE MAY NOT BE SCIENTISTS, BUT WE SURE KNOW ABOUT PROTECTION.



Doing what you love is important, but being able to do it for a long time is perhaps even more essential.

As stunt professionals, we believe everyone encountering physical impact should be able to perform safely. We founded XION® Protective Gear (PG) to replace existing rigid and bulky impact protection gear with a low profile and flexible solution.

After years of prototyping, testing and improvement - with enormous support from fellow stunt professionals, police departments and athletes we feel confident and proud to have designed the next-generation of protective base layers.

By minimising the risks of serious injuries, our aim is to let everyone enjoy their sport, work or leisure carefree. Our gear is a result of due care and dedication, and we hope you will enjoy it as much as we do creating it.

We got you covered.

Team XION®

# FULL FREEDOM OF MOVEMENT, THE BEST MATERIALS AND A LITTLE BIT OF D30<sup>®</sup> MAGIC.

The areas of the body that are protected by our products are the parts liable to suffer the most damage when exposed to impact. The focus is on the 'rigid/bony' parts of the body, because they don't have a soft barrier such as muscles or fat to reduce the impact.



Our protective gear is powered by D3O's groundbreaking impact protective technology, offering the thinnest and most advanced protection against blunt trauma impact.

D30<sup>®</sup> is a patented technology with a unique molecular structure allowing it to remain soft and flexible. On impact, D30's molecules lock together, which absorb and dissipate the impact energy and reduce the force transmitted.











# BODY PROTECTION BASED ON SCIENCE, DESIGNED WITH EXPERIENCE.

Decades of collaborative stunt expertise is found in the XION® garments. What started as a solution for stage and screen performers, expanded to the snow mountains and far beyond.

Nowadays, XION® products are widely used by stunt professionals, sport athletes, security and search & rescue teams, armed forces, law enforcement operarors and defense specialists all over the world.



SPORTS

**P**PE

# XION<sup>®</sup> 20/21 COLLECTION









# NEW: LIGHTER THAN AIR

THE <u>NEW AIR SERIES</u> COMBINES SUPERIOR HIGH-PERFORMANCE WITH MAXIMUM BREATHABILITY.

We're happy to introduce the most advanced breathable protective gear, made of durable 4-way stretch mesh fabric.

These lightweight, soft and breathable base layers provide optimal comfort in warm conditions without sacrificing any performance.





JACKET FREERIDE AIR - JUNIOR

NEW





NEW

SHORT SLEEVE JACKET AIR - WHEELS



NEW

**ZIP-TOP AIR** - WHEELS

# EVOLVED TO BEAT THE ELEMENTS

OUR GOAL IS TO PROVIDE THE BEST IMPACT PROTECTION. SO, WE'VE <u>EVOLVED THE WHOLE COLLECTION</u> WITH THE LATEST AND GREATEST D30® LIMB PROTECTORS.

The enhanced ventilation increases air passage and moisture flow from the body through the pad, while maintaining all the high-performance, soft and flexible D30<sup>®</sup> impact protection properties.

CE certified to EN 1621-1:2012, Level 1 including optional cold and hot conditions.





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# XION<sup>®</sup> LONG SLEEVE JACKET - FREERIDE

Our XION® Long Sleeve Jacket Freeride is a base layer designed to serve as ideal all-round upper body protection. The D30<sup>®</sup> Viper Stealth Backpad is specifically designed to use in cold conditions.

ITEM	NO.
------	-----

o LSJ-30112-M PISJ-30112-F

SIZES COLOR S - 2XI Black XS - I Gray

D30<sup>®</sup> PADS 6

#### **KEY FEATURES**

- 2<sup>nd</sup> skin design
- Removable D30<sup>®</sup> pads
- Adjustable waist belt for tight fit
- Perfect for use in cold conditions
- Mesh panels around arm and elbow pits for enhanced breathability
- D30<sup>®</sup> tri-ventilation technology for superior breathability



## XION<sup>®</sup> SLEEVELESS VEST - FRFFRIDF

SIZES

S-2XL

XS - I

A base layer designed as a low profile yet comfortable back protector vest for any snow sports activity. The XION® Sleeveless Vest is issued with a D3O® Viper Stealth protector and additional protection at the lower back area.

COLOR

Black

Gray

ITEM NO.
of VES-30112-M
• VES-30112-F

- 2<sup>nd</sup> skin design
- Removable D30<sup>®</sup> pads
- Adjustable waist belt for tight fit
- Perfect for use in cold conditions







# XION<sup>®</sup> BACK PROTECTOR ZIP-TOP - FREERIDE

The Back Protector Zip-top Freeride combines flexibility with comfort. An easy to use sleevless top issued with a side zipper and D3O's Viper Stealth backpad for use in cold conditions.

or NZT-30112-M PN7T-30112-F

SIZES COLOR S - 2XI Black Gray

D30<sup>®</sup> PADS



- 2<sup>nd</sup> skin design
- Removable D30<sup>®</sup> back protector
- Perfect for use in cold conditions
- Added zipper for ease of use





# XION<sup>®</sup> SHORTS - FREERIDE

XS - I

The XION® Shorts Freeride caters to the all-round sports athlete. Super slim design combined with stretch fabrics provide a comfortable fit along with protection in all key areas.

IT	ΈM	NO.	

or SHO-30122-M P SH0-30122-F

SIZES COLOR S-2XL Black XS - I Gray

D30<sup>®</sup> PADS 5









- 2<sup>nd</sup> skin design
- Removable D30<sup>®</sup> pads
- Elastic waistband for easy donning and flexible fit
- Anti-slip silicon band prevents twisting
- Perfect for use in cold conditions
- D30<sup>®</sup> tri-ventilation technology for superior breathability

## XION<sup>®</sup> BERMUDA - FREERIDE

Designed to serve as all-round lower body protection. A unique technical garment offering protection for the waist, coccyx, hips, thighs and knees, while leaving room for (ski and snowboard) boots.

SIZES COLOR S-2XL Black XS-L Gray D30<sup>®</sup> PADS 9

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- 2<sup>nd</sup> skin design
- Removable D30® pads
- Adjustable waist
- (Ski & Snowboard) Boot compliant
- Mesh panels around knee pits for enhanced breathability
- Perfect for use in cold conditions
- Zipper for male comfort
- D30<sup>®</sup> tri-ventilation technology on knees for superior breathability



# XION<sup>®</sup> JACKET FREERIDE AIR - JUNIOR

The XION® Jacket Freeride Junior caters to the young athletes pushing their boundaries. Fully issued in mesh-fabric for optimal breathability. With D30® Viper Pro back-pad and additional protection in key areas.

ITEM NO. LSJ-30112-J SIZES

COLOR Black

**KEY FEATURES** 

- 2<sup>nd</sup> skin design
- Removable D30<sup>®</sup> pads
- Adjustable waist belt for tight fit
- CE Certified (Level 2) back protection

JM

D30<sup>®</sup> PADS 5







## XION® SLEEVELESS VEST FREERIDE - JUNIOR

A low profile and comfortable back protector for any sports activity where protection of the spinal area is vital. 4-way stretch fabric with breathable mesh on the sides and an adjustable waist belt keep everything in place.

ITEM NO.	SIZES	COLOR
VES-30112-J	JS - JM	Black

#### **KEY FEATURES**

- 2<sup>nd</sup> skin design
- Removable D30<sup>®</sup> back protector
- Adjustable waist belt for tight fit
- CE Certified (Level 2) back protection



D30<sup>®</sup> PADS

1





# XION® BERMUDA FREERIDE - JUNIOR

The XION® Bermuda Freeride Junior is the ultimate lower body protection for the young athletes. It combines hip, upper-leg, coccyx and knee protection, while leaving room for (ski and snowboard) boots.

ITEM NO. BER-30122-J

SIZES JM

COLOR Black

#### **KEY FEATURES**

- 2<sup>nd</sup> skin design
- Removable D30<sup>®</sup> pads
- (Ski & Snowboard) Boot compliant
- Elastic waistband for easy donning and flexible fit









# XION® CRASH SHORTS FREERIDE - JUNIOR

The XION® Junior Crash Shorts provide protection in key areas. The pre-curved coccyx pad protects the tailbone, while the D30<sup>®</sup> crash pads cover the hip area as well as a large part of the bum.

ITEM NO. SHO-30112-J SIZES JS - JM COLOR Black



**D30**<sup>®</sup>

PADS 7

- 2<sup>nd</sup> skin design
- Removable D30<sup>®</sup> pads
- Elastic waistband for easy donning and flexible fit
- Anti-slip silicon band prevents twisting









# **WHEELS**

2

# XION<sup>®</sup> SHORT SLEEVE JACKET AIR - WHEFLS

The new jacket is fully issued in mesh fabric to ensure optimal breathability in warm conditions. Featuring D3O's LP1 back protector with tri-ventilation technology. Upper body protection without compomise on performance.

ITEM NO. SSJ-40122-U

SIZES COLOR S - 2XI Black

D30<sup>®</sup> PADS

7

#### **KEY FEATURES**

- 2<sup>nd</sup> skin design
- Removable D30<sup>®</sup> pads
- Elastic waistband for easy donning and wide fit
- Perfect for use in warm conditions
- D30<sup>®</sup> tri-ventilation technology for superior breathability





# XION<sup>®</sup> ZIP-TOP AIR - WHEFLS

The XION® Zip-Top Air is an all-round slide-on shirt with a back and chest protection featuring D3O's tri-ventilation technology. Made of durable, 4-way stretch mesh fabric for optimal breathability in warm conditions.



- Added zipper for ease of use



## XION® LONG SLEEVE JACKET - WHEELS

The XION® Long Sleeve Jacket Wheels is our flagship for motorcyclists and extreme athletes. A low-profile base layer providing optimal protection, utmost freedom of movement and ventilation.

ITEM NO. LSJ-40122-U **SIZES** S - 2XL

**COLOR** Black **D30<sup>®</sup> PADS** 10

- 2<sup>nd</sup> skin design
- Removable D30® pads
- Adjustable waist belt for tight fit
- Abrasion resistant fabric on elbow and shoulder area to protect against wear
- Mesh panels around ribcage and full length of arms for enhanced breathability
- Perfect for use in warm conditions
- D30<sup>®</sup> tri-ventilation technology for superior breathability















# XION<sup>®</sup> LONG SLEEVE JACKET - PRO

Originally designed as the ultimate upper body protection for stunt professionals, the XION<sup>®</sup> Long Sleeve Jacket Pro is our flagship. This base layer offers maximum protection while retaining full freedom of movement.

ITEM NO.	SIZES
LSJ-10112-U	S - 2XL

COLOR
BLACK

D30<sup>®</sup> PADS 13

#### **KEY FEATURES**

- Removable D30<sup>®</sup> pads
- Adjustable waist belt for tight fit
- Wide neck for covert wearing
- Abrasion resistant fabric on elbow and shoulder area
- Mesh panels around elbows and arm pits for enhanced breathability
- D30<sup>®</sup> tri-ventilation technology for superior breathability





# XION<sup>®</sup> SHORT SLEEVE JACKET - PRO

The XION® Short Sleeve Jacket Pro offers all-round upper body protection, leaving the arms free. It can easily be combined with the XION® Elbow and Elbow-Forearm Protectors.

ITEM NO.	SIZES	COL
SSJ-10112-U	S-2XL	BLA

OR ACK

D30<sup>®</sup> PADS 7

- Removable D30<sup>®</sup> pads
- Adjustable waist belt for tight fit
- Wide neck for covert wearing
- Abrasion resistant fabric on shoulder area
- Mesh panels around arm pits for breathability
- D30<sup>®</sup> tri-ventilation technology for superior breathability







## XION® LONG SLEEVE SHIRT - PRO

The XION  $^{\rm (8)}$  Long Sleeve Shirt Pro is specifically designed to wear as a protective base layer that can easily be combined with alternate torso protection.

ITEM NO.	SIZES	COLOR
LSS-10112-U	S - 2XL	BLACK

#### **KEY FEATURES**

- Removable D30<sup>®</sup> pads
- Wide neck for low profile wearing
- Abrasion resistant fabric covers elbow and shoulder area
- Mesh panels at the backside and around arm and elbow pits for enhanced breathability
- D30<sup>®</sup> tri-ventilation technology for superior breathability









# XION® ELBOW-FOREARM PROTECTORS - PRO

The XION® Elbow-Forearm Protectors Pro provide flexible and low profile protection for the elbow-forearm area. It can be combined with the XION® Short Sleeve Jacket Pro as a modular protective solution for the upper body.

ITEM NO.	SIZES	COLOR
ELF-10112-U	S-2XL	BLACK

#### **KEY FEATURES**

- Removable D30® pads
- Overlapping elbow and forearm pads
- Abrasion resistant fabric covers elbow area
- Mesh panels around elbow pits for breathability
- Anti-slip silicone band prevents down slipping
- D30<sup>®</sup> tri-ventilation technology for superior breathability



D30<sup>®</sup> PADS

4







# XION® ELBOW PROTECTORS - PRO

The XION® Elbow Protectors Pro provide flexible and low profile protection for the elbow area. It can be combined with the XION® Short Sleeve Jacket Pro as a modular protective solution for the upper body.

ITEM NO.	SIZES
ELB-10112-U	S - 2XL

COLOR
BLACK

**D30**<sup>®</sup> **PADS** 2

#### **KEY FEATURES**

- Removable D30® pads
- Abrasion resistant fabric covers elbow area
- Mesh panels around elbow pits for breathability
- Anti-slip silicon band prevents down slipping
- D30<sup>®</sup> tri-ventilation technology for superior breathability







# XION<sup>®</sup> PANT XTREME - PRO

- Abrasion resistant fabric covers the knee, waist

- Mesh panels around knee pits for breathability

- D30<sup>®</sup> tri-ventilation technology for superior

Originally designed as the ultimate lower body protection for stunt professionals, the XION<sup>®</sup> Pant Xtreme Pro is a uniquely crafted technical garment. It offers maximum protection, retaining full freedom of movement.

ITEM NO.	SIZES
PAN-10112-U	S - 2XL

- Removable D30<sup>®</sup> pads

- Zipper for male comfort

**KEY FEATURES** 

- Adjustable waist

and bum area

breathability

COLOR BLACK

**D30**® **PADS** 13









## XION<sup>®</sup> BERMUDA XTREME - PRO

The XION® Bermuda Xtreme Pro is the ultimate lower body protection for the extreme sports athlete. A uniquely crafted technical garment offering maximum protection for the waist, hips, upper legs and knees.

ITEM NO.	SIZES
BER-10112-U	S - 2XL

COLOR BLACK

#### **KEY FEATURES**

- Removable D30<sup>®</sup> pads
- Adjustable waist
- (Ski & Snowboard) Boot compliant
- Abrasion resistant fabric covers knee, waist and bum area
- Mesh panels around knee pits for breathability
- Zipper for male comfort
- D30<sup>®</sup> tri-ventilation technology for superior breathability

## XION® PROTECTIVE SHORTS - PRO

The XION® Protective Shorts Pro offers coccyx, hip and thigh protection for the all-round sports athlete. It can be combined with the XION® Knee and XION<sup>®</sup> Knee-Shin Protectors Pro.

ITEM NO.	SIZES	С
SHO-10112-U	S - 2XL	В

#### COLOR BLACK

#### **KEY FEATURES**

- Removable D30<sup>®</sup> pads
- Elastic waistband for easy donning and flexible fit
- Anti-slip silicon band prevents twisting
- D30<sup>®</sup> tri-ventilation technology for superior breathability













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5

D30<sup>®</sup>

PADS 11

# XION® KNEE-SHIN PROTECTORS - PRO

The XION® Knee-Shin Protectors Pro provide flexible and low profile protection for the knee-shin area. It can be combined with the XION® Protective Shorts Pro as a modular protective solution for the lower body.

ITEM NO.	
KNS-10112-U	

COLOR BLACK **D30**® **PADS** 4

#### **KEY FEATURES**

- Removable D30® pads
- Overlapping knee and shin pads
- Abrasion resistant fabric covers knee area

S-2XL

- Mesh panels around knee pits for breathability
- Anti-slip silicon band prevents down slipping
- D30<sup>®</sup> tri-ventilation technology for superior breathability









# XION® KNEE PROTECTORS - PRO

The XION® Knee Protectors Pro provide flexible and low profile protection for the knees. It can be combined with the XION® Protective Shorts Pro as a modular protective solution for the lower body.

ITEM NO.	SIZES	COLOR
KNE-10112-U	S-2XL	BLACK

- Removable D30® pads
- Abrasion resistant fabric covers knee area
- Mesh panels around knee pits for breathability
- Anti-slip silicon band prevents down slipping
- D30<sup>®</sup> tri-ventilation technology for superior breathability









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## 

## **WHEELS**





NEW

NEW



SHORT SLEEVE JACKET AIR - WHEELS

**ZIP-TOP AIR** - WHEELS

LONG SLEEVE JACKET - PRO







ELBOW PROTECTORS - PRO

LONG SLEEVE SHIRT - PRO

ELBOW-FOREARM PROTECTORS - PRO



PANT **XTREME** - PRO



SHORT SLEEVE JACKET - PRO





PROTECTIVE SHORTS - PRO

KNEE-SHIN PROTECTORS - PRO

KNEE **PROTECTORS** - PRO

# SIZING CHART

#### HOW TO MEASURE

Measure specific areas tightly and not over clothing. Also keep muscles in a relaxed state.

Chest: Around the widest point of the chest, under armpits and over the shoulder blades.
Bust: Around the fullest point of the bust, under armpits and over the shoulder blades.
Upper arm: 2,5 cm (1 inch) above the widest point of the muscle.
Waist: Above the hipbones and across the belly button.
Hip: Around the widest point of the hips.
Upper leg: At the widest point of the leg, approximately 7 cm (2.8 inch) below the crotch.
Above knee: Approximately 7,5 cm (2.9 inch) above the knee cap.
Back length: From the most prominent bone at base of neck to the waistline just above the hipbones.

MEN / UNISEX		S	М	L	XL	2XL
UPPER BODY PRO	TECTIO	N				
1. Chest	cm	88 - 92	96 - 100	104 - 108	112 - 116	120 - 124
	inch	34 5/8 - 36 1/4	37 3/4 - 39 3/8	41 - 42 1/2	44 1/8 - 45 5/8	47 1/4 - 48 7/8
<mark>3</mark> . Waist	cm	73.5 - 78.5	81 - 86	88,5 - 93,5	96 - 101	105,5 - 108,5
	inch	29 - 31	32 - 34	35 - 37	38 - 40	41 - 43
<mark>6</mark> . Back length	cm	UP TO 48	UP TO 53	UP TO 56	UP TO 56	UP TO 56
	inch	18 7/8	20 7/8	22	22	22
LOWER BODY PRO	DTECTI	ON				
<mark>3</mark> . Waist	cm	73,5 - 78,5	81 - 86	88,5 - 93,5	96 - 101	105,5 - 108,5
	inch	29 - 31	32 - 34	35 - 37	38 - 40	41 - 43
LIMB BODY PROTE	ECTION	J				
2. Upper arm	cm	25	28	32	35	38
	inch	9 7/8	11	12 5/8	13 3/4	15
4. Upper leg	cm	49	53	58	62	66
	inch	19 1/4	20 7/8	22 7/8	24 3/8	26
5. Above knee	cm	39	42	44	46	48
	inch	15 3/8	16 1/2	17 3/8	18 1/8	18 7/8





WOMEN		XS	S	М	L
UPPER BODY PRO	TECTIO	ON			
1. Bust	cm	79 - 83	85 - 89	91 - 95	98 - 103
	inch	31 1/8 - 32 3/4	33 1/2 - 35	35 3/4 - 37 3/8	38 5/8 - 40 5/8
3. Waist	cm	63 - 66	67 - 71	72 - 76	78 - 82
	inch	24 3/4 - 26	26 3/8 - 28	28 1/4 - 29 7/8	30 3/4 - 32 1/4
7. Back length	cm	UP TO 48	UP TO 48	UP TO 48	UP TO 53
	inch	18 7/8	18 7/8	18 7/8	20 7/8
LOWER BODY PRO	DTECTI	ION			
3. Waist	cm	63 - 66	67 - 71	72 - 76	78 - 82
	inch	24 3/4 - 26	26 3/8 - 28	28 1/4 - 29 7/8	30 3/4 - 32 1/4
<mark>4</mark> . Hip	cm	84 - 88	90 - 94	96 - 100	102 - 107
	inch	33 1/8 - 34 5/8	35 3/8 - 37	37 3/4 - 39 3/8	40 1/4 - 42 1/8
LIMB BODY PROTECTION					
2. Upper arm	cm	N/A	25	28	32
	inch	N/A	9 7/8	11	12 5/8
5. Upper leg	cm	N/A	49	53	58
	inch	N/A	19 1/4	20 7/8	22 7/8
6. Above knee	cm	N/A	39	42	44
	inch	N/A	15 3/8	16 1/2	17 3/8





JUNIOR		JS	ML	
UPPER BODY PROTECTION				
1. Chest	cm	65 - 71	72 - 78	
	inch	25 9/16 - 27 15/16	28 5/16 - 30 3/4	
2. Waist	cm	59 - 62	63 - 66	
	inch	23 1/4 - 24 7/16	24 3/4 - 26	
<mark>3.</mark> Back lengt	cm	UP TO 44	UP TO 48	
	inch	17 5/16	18 7/8	



#### LOWER BODY PROTECTION

2. Waist	cm	59 - 62	63 - 66
	inch	23 1/4 - 24 7/16	23 3/4 - 26



# WE ARE PART OF **THE XIONEER**

JONATHAN FROSSARD FREESKIER "XION gives me a safe feeling every time I'm out on the slopes."

PAUL DE GROOT FREESKIER "XION gear is durable, comfortable and allows me to move freely without any restrictions." "While racing, falling down has to be one of the last thoughts."

05

SU.

ZIR I

"The only protection that doesn't feel like it!"

**MEES VAN LIEROP** FREESTYLE SKIER MARCUS ALDINUCCI DOWNHILL LONGBOARDER

**BELLE BROCKHOFF** OLYMPIC SBX ATHLETE

AUS

NOBRAN

# IMPACT PROTECTION DESIGNED BY STUNT PROFESSIONALS

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