

PPE PERSONAL PROTECTIVE EQUIPMENT

PPE: PERSONAL PROTECTIVE EQUIPMENT

In recent years, there has been much discussion between motorcycle garment manufacturers and the European Community concerning the protection standards for motorcycle apparel, which falls under the governmental category of Personal Protective Equipment (PPE).

The European Community rightly claims that when buying a PPE-garment the consumer must be able to rely on a minimum level of protection provided by the garment for its intended use. This level of protection must be either clearly indicated or implied by the design of the product and that any information provided with the products (often on hangtags) is accurate and complete.

Initially, these rules were described as the minimum standard for motorcycle garments intended for professional use, but as of 2010, the scope has been extended to motorcycle intended for leisure use. Standards for professional use have been deemed impractical for leisure use by essentially all manufacturers. Currently, there are no manufacturers complying with the European Union's requirements throughout an entire product range. Note that the CE standards for separate impact and back protectors are a different issue and do not apply to this topic.

In the coming years, European manufacturers will jointly develop a new set of standards for motorcycle garments in cooperation with the European Union. This will likely lead to the development of a new standard for professional use and a separate new standard for leisure use, to which all manufacturers will be required to comply. This is work in progress and we will keep all our partners updated.

NEW STANDARDS

In anticipation of the coming new standards, we have been gradually making modifications and improvements to our products. As a first step, all EVA foam insert back panels have been removed from all jackets as of spring 2014. Although EVA foam inserts at the back and hips are not CE rated impact protection as clearly indicated on each product, we have chosen to remove these inserts from our products to prevent any confusion that these EVA foam panels are CE-level certified. Indications on all jackets, suits and trousers with pockets designed to fit CE-rated SEESOFT™ insert protector upgrades will remain.

THE 'DROP TEST' EN1621-2: 2014 BACK PROTECTION STANDARD

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EN 1621-2:2014: BACK PROTECTORS

Back protectors must undergo an energy transmission test to determine shock absorption levels to meet EN1621-2:2014 specifications. The test, called a Drop Test, is performed with a 5kg (11lbs) percussion pin dropped from one meter to create the test impact energy of 50 Joules. During the test the protector is placed on a metal anvil. This test is conducted five times on various points of a predetermined Zone of Protection on the product.

Products must pass tests conducted under two conditions: at ambient temperature and at high humidity. Products may also undergo optional temperature tests: a low temperature impact test conducted at -10°C (14°F) and/or a high temperature impact test at +40°C (104°F).

The EN1621-2:2014 standard includes two levels of protection:

CE-LEVEL 1: CE-Level 1 rated products provide the standard level of effective protection. The peak force measured at the center of the Zone of Protection shall not exceed a single strike value of 24 Kilo Newtons (kN) and the overall mean value shall not exceed 18kN.

CE-LEVEL 2: CE-Level 2 offers increased performance for riders who feel that their riding style exposes them to an increased level of risk. CE-Level 2 protectors must absorb twice as much energy from an impact as CE-Level 1 protectors, with the peak force at the center of the Zone of Protection not exceeding a single strike value of 12kN and the overall mean not exceeding 9kN.

CE-DOCUMENTATION

CE-certification also requires technical documentation containing information demonstrating that the product properly complies with the CE-requirements which apply to it. This documentation must be assessed by a notified body as part of the CE-test. All relevant information regarding REV'IT! products with a CE-certification can be found inside the product packaging and on the Commerce Portal under the tab marked 'Sales Tools'. Dealers can also obtain documentation via our sales team.

THE 'DROP TEST' EN1621-1:2012 LIMB PROTECTION STANDARD

ENERGY TRANSMISSION TEST (CE-CERTIFICATION TEST)

In all tests the protector is placed on an anvil and hit with a drop striker weighing 5kg (11 lbs) and falling from a height of approximately one meter (the kinetic impact energy should be at least 50J). The lower the value of the energy transmission measured, the better the shock absorption of the protector. The 'Ambient impact test' is conducted three times: one in each test area of a predetermined 'Zone of Protection' on the protector. This test is repeated on three different protector samples, so a total of nine impacts is conducted. The 'Wet impact test' is performed in the same way as the 'Ambient impact test'. However these impact tests are performed on two different protector samples, so a total of six impacts is conducted.

The objective of the energy transmission test is to determine shock absorption based on the specifications defined by EN 1621-1:2012. To calculate the energy transmission, the protector is tested according to two mandatory impact tests:

AMBIENT IMPACT TEST

Conditioning of the protector: 48 ± 0.5 hrs in an atmosphere of 23 ± 2 celsius and a relative humidity of 50 ± 5 %. The 'Ambient impact test' is performed within three min. after removal from conditioning.

WET IMPACT TEST

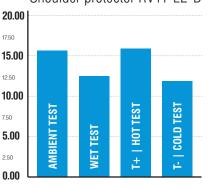
Conditioning of the protector: 72 ± 0.5 hrs in a closed chamber above water maintained at a temperature of $70\pm2^{\circ}$ C. After this the protectors are placed for another 24 ± 0.5 hrs. in a tightly closed water vapour proof bag in ambient temperature of $23\pm2^{\circ}$ C. The 'Wet impact test' is performed within five min. after removal from conditioning. Besides the mandatory Ambient and Wet impact tests, EN1621-1:2012 describes two optional tests:

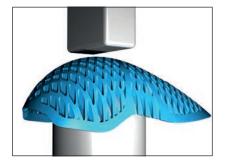
 $\label{eq:high-temperature-impact} \begin{array}{l} \text{HIGH TEMPERATURE IMPACT TEST} \mbox{ (manufacturer claims protection up to +40°C)} \\ \text{LOW TEMPERATURE IMPACT TEST} \mbox{ (manufacturer claims protection up to -10°C)}. \end{array}$

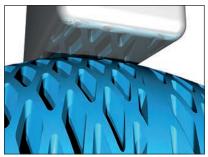
TEST SPECIFICATIONS 55KG 50 jours 1000CM 50 jours PROTECTOR ANVIL TEST SPECIFICATIONS CE-LEVEL 1: Residue force < 35 kM CE-LEVEL 2: Residue force < 20 kN MANDATORY: Ambient conditions test Vet conditions test

TEST RESULTS (kN) Shoulder protector RV11-L2-B

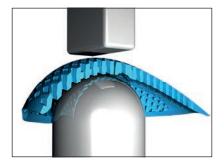
Cold (tested at -10)

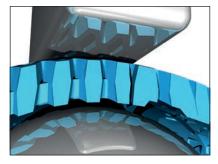




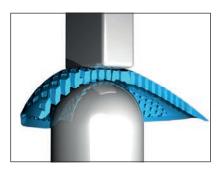


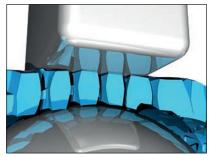
DROP TEST VISUALISATION





CROSS SECTION





CROSS SECTION - IMPACT

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TYPE A AND TYPE B AREA

Within the [EN1621-1:2012] standard there are two test areas; the smaller Type A and the bigger Type B area. SEEFLEX™ protectors can be approved for both areas, depending on the intended usage. This makes it possible to use a smaller protector for, for instance, ladies garments, while maintaining the CE-Level 2 protection. This allows us to maintain the optimal balance between protection and comfort for each type of garment.

EN1621-1:2012 describes two different 'TYPE' of protection with each their own 'Zones of Protection':

TYPE A: limb protection that is referred to be of smaller dimension; these are commonly (although not exclusively) optimised for use with smaller riders.

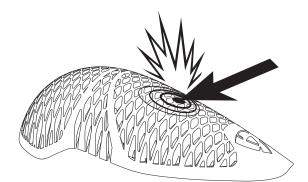
TYPE B: limb protection protection that is referred to be of larger dimension; these are commonly (although not exclusively) optimised for use with larger riders.

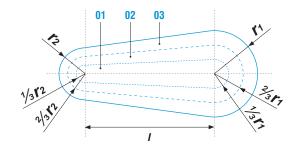
Furthermore EN1621-1:2012 describes two levels of protection:

CE-LEVEL 1: The minimum level required so that the protector provides useful protection in an accident and suits all riding styles. The peak force measured in the center part of the zone of protection (test area 01) shall not exceed a single strike value of 35 kN. The single strikes in areas 02 and 03 shall not exceed a value of 50 Kn. The overall mean value shall not exceed 35 kN.

CE-LEVEL 2: Riders feel that their riding style exposes them to an increased risk; CE-level 2 offers increased performance. The peak force measured in the center part of the zone of protection (test area 01) shall not exceed a single strike value of 20 kN. The single strikes in areas 02 and 03 shall not exceed a value of 30 Kn. The overall mean value shall not exceed 20 kN.

PROTECTOR TYPES AND THEIR CERTIFIED PROTECTIVE AREAS (ZONES OF PROTECTION*)





INTENDED	CE		TYPE A (mm)			TYPE B (mm)	
LIMB	CODE	rt					
SHOULDER	S	55	32	64	70	40	80
ELBOW	E	45	24	118	50	30	150
KNEE	К	55	24	100	70	30	130
HIP	Н	35	26	70	44	33	88
LEG	L	32	24	64	40	30	80
KNEE + LEG	K+L	55	24	185	70	30	240

HOW TO READ A CE-MARKING

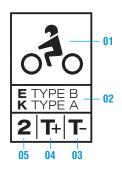
VARIOUS LEVELS OF PROTECTION

When you purchase motorcycle gear, you expect it to meet certain demands. The same goes for the protectors inside the garment: they need to live up to their name and protect you. But just how well do they protect? To answer that question, a CE marking is applied.

WHAT TO LOOK FOR

As shown in the graphic, a CE-marking begins with the indication that it is made for motorcycle riders (01). The intended limb or limbs (elbow, knee, shoulder or leg) can be found in the marking as well (02). Additional temperature tests for +40°C and -10°C are noted in 03 and 04. Finally, 05 describes the level of protection. 2 denotes CE-level 2, the highest level of protection.

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** 03 & 04 are optional tests: If this space is vacant, the test is not claimed

01 - Protective equipment for motorcycle riders 02 - Intended limb (e/k) & type indication (b/a) 03 - Low temperature impact test passed** 04 - High temperature impact test passed** 05 - Performance level



reddot award 2015 best of the best

SEEFLEXTM IMPACT PROTECTION TECHNOLOGY EXCEEDING THE HIGHEST LEVEL OF PROTECTION, VENTILATION AND COMFORT.

THE REV'IT! RESEARCH AND DEVELOPMENT TEAM IS PROUD TO PRESENT THE LATEST INNOVATION IN MOTORCYCLE IMPACT PROTECTION: SEEFLEX™ TECHNOLOGY. THE SEEFLEX™ CONCEPT TAKES THE BALANCE BETWEEN PROTECTION AND COMFORT TO ENTIRELY NEW HEIGHTS.

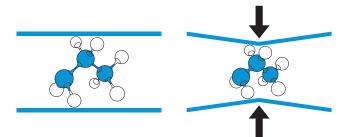
SEEFLEX™ CE-LEVEL 2 LIMB PROTECTION

THE SEEFLEX™ CONCEPT

With SEEFLEX[™] technology, the days of wearing uncomfortable armor on a motorcycle are long behind us. The SEEFLEX[™] concept is born of the synergy between state of the art material and cutting-edge construction, which together give SEEFLEX[™] protectors their unique combination of protection, flexibility and breathability. This innovative technology enables the SEEFLEX[™] protectors to pass the highest EN1621-1:2012 Level 2 impact tests in all test circumstances and temperatures.

The entire new family of SEEFLEX[™] protectors is awarded with the RED DOT design award "Best of the best". This prestigious award is extra special considering the fact that protectors need to cope with strict governmental limitations. It shows that we don't take our core values –Design, Performance, and Innovation- lightly; even when a product will mainly be hidden in garments.

IMPACT ABSORPTION 01 | SEEFLEX[™] MATERIAL



SEEFLEX2925

The revolutionary SEEFLEX2925 material compound was developed to provide the highest level of impact protection regardless of the temperatures and weather conditions. Its unique molecular structure allows the material to transform kinetic energy from an impact into thermal energy. The result: a unique material with excellent impact absorption properties.

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SEEFLEX™ CONCEPT PROPERTIES



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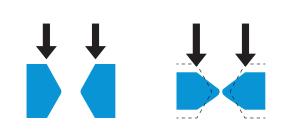


Temperature insensitiv



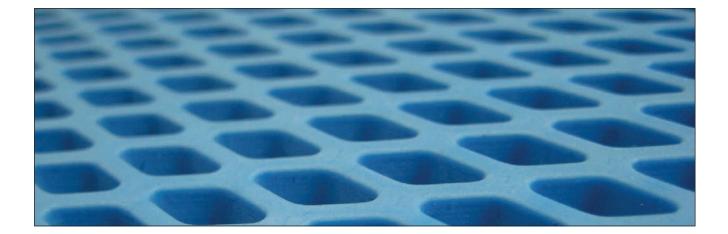
IMPACT ABSORPTION 02 | SEEFLEX[™] STRUCTURE

ear & b



INTERNAL EXPANSION STRUCTURE

The combination of innovative material and construction brings the SEEFLEX™ concept to life. The SEEFLEX2925 material is shaped into a structure that absorbs and dissipates force at the same time. The open construction allows the material to expand in on itself under impact, deflecting and reducing any impact energy out away from the protector surface and away from the body, resulting in exceptional protection.



SEEFLEX™ USP'S



CE-LEVEL 2 PERFORMANCE

CE-Level 2 performance on all limbs, all seasons. The ultimate motorcycle protectors must provide the highest level of protection, no matter what the circumstances are.



COMFORT IN ALL CLIMATES

The SEEFLEX2925 material remains virtually unchanged in its appearance, regardless of the temperature it is in. Besides maintaining its protective features, this also adds to the comfort the protectors bring. They uphold their pleasant feel, not stiffening in cold weather or becoming too soft in hot weather.



3D PRE-SHAPED FIT

The SEEFLEX[™] protectors are shaped according to our Engineered skin[®] philosophy. This means it actively protects the body against impact and it contributes to the rider's passive safety by offering protection that the rider won't notice when on a bike. Thanks to the 3D pre-shaped fit SEEFLEX[™] protectors fit perfectly in REV'IT! gear and therefore they fit perfectly to the body. Having 3D pre-shaped protectors also prevent them from moving around, keeping them in position in case of an impact.



TEMPERATURE INSENSITIVE PERFORMANCE

SEEFLEX[™] protectors meet the CE-Level 2 standard at T+ and T-, meaning protectors are tested and approved between +40°C and -10°C. No matter the temperature or riding conditions you find yourself in, be in a black jacket on a hot summer day or commuting in winter weather, SEEFLEX[™] protectors are delivering the highest level of impact protection.



INTERNAL EXPANSION STRUCTURE

The open SEEFLEX™ structure allows the SEEFLEX2925 material to expand in on itself under impact, dissipating impact energy out away from the protector surface and away from the body, resulting in exceptional impact defense.



TEAR & BREAK RESISTANT

The SEEFLEX2925 material in SEEFLEX™ protectors is extremely strong, making the open structured SEEFLEX™ protectors extraordinarily tear and break resistant.



PROTECTIVE FLEXHINGE AREA

Freedom of movement on the bike contributes greatly to the feeling of comfort when riding. SEEFLEX[™] limb protectors are therefore fitted with the revolutionary protective hinge area. This feature makes the protector extra flexible at the hinge area while conserving its protective surface, covering every limb joint.



HIGHLY VENTILATED

SEEFLEX[™] protectors are designed to have an open structure, which optimizes both ventilation and breathability while at the same time diminishing weight. The protectors in motorcycle gear cover a substantial part of the body. Whereas the closed structure of most other protectors reduces the breathability and ventilation at these points vastly, the open structure of SEEFLEX[™] protectors enables full breathability at these crucial areas, while maintaining the highest level of impact protection.



EXCEEDING PROTECTIVE AREAS

Within the EN1621-1:2012 standard there are two test areas: Type A and Type B. SEEFLEX™ protectors can be approved for both areas, depending on the intended usage. This allows for the use of smaller protectors (in ladies garments for example) while maintaining CE-Level 2 protection.

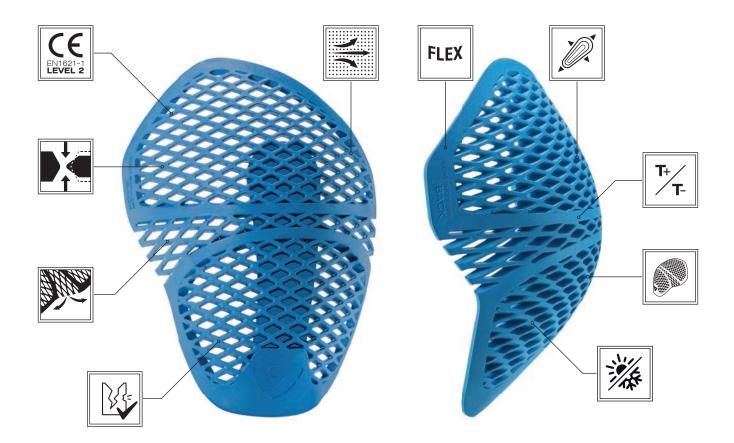


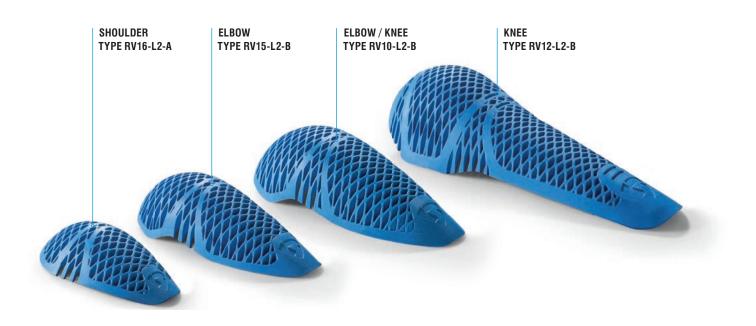
ADAPTIVE ERGONOMICS

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The flexibility of the SEEFLEX2925 material offers adaptive ergonomics to all SEEFLEX™ protectors. This feature ensures a perfect, personalized fit which contributes to both comfort and protection.

SEEFLEX™ SHOULDER PROTECTOR RV11-L2-B





TV-

E 05

SEESOFT[™] **CE-LEVEL 2 BACK PROTECTOR INSERT**

SEESOFT™ CE-LEVEL 2 BACK PROTECTOR INSERT

Thanks to the new SEESOFT[™] multi-impact insert back protector, you can upgrade every REV'IT! jacket with a CE-level 2 back protector, which means that it performs within the CE-Level 2 range of < 9kN energy transmission. The fully flexible SEESOFT[™] back protector insert follows the contours of the wearer's spine for optimum protection and is fully ventilated for added comfort

The SEESOFT™ CE-level 2 back protector insert is designed to absorb multiple impacts without compromising on comfort, ventilation or freedom of movement. Most REV'IT! jackets are designed to accommodate a SEESOFT™ CE-level 2 back protector. Each jacket will specify which type and size of SEESOFT[™] back protector is suitable. By applying a multiple-layer concept, REV'IT! has developed a flexible back protector insert that performs consistently in all conditions.

The highly impact-resistant blend of Nitrile and Polynorbornene rubber results in a memory foam that is multi-impact rated and CE-certified to the highest level (EN 1621-2:2014 - CE-Level 2). In the case of severe angular impact. the individual Memory foam layers will shift relative to one another, resulting in impact dispersion over a larger effective surface area, and therefore minimizing the energy that is transmitted to the spine and back.

SEESOFT™ SHIFTING LAYER CONCEPT







03 » Impact release; protector returns to its natural state and is ready for next impact

SEESOFT™ PROPERTIES OVERVIEW







shifting /er system neutra antiallergic





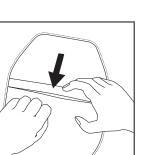






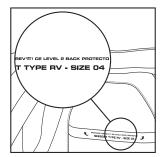






04. Make sure to securely close the pocket with the Velcro after inserting the SEESOFT™ protector.

HOW TO INSERT A SEESOFT™ BACK PROTECTOR INTO A REV'IT! GARMENT (EXAMPLE)

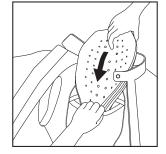


01. Check the marking on the garment's protector pocket to determine the correct type and size of SEESOFT™ protector needed.



02. Carefully fold the protector in order to fit it into its corresponding pocket. Attention: make sure the back protector is oriented with its widest sheet of foam placed closest to the wearer's body.

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03. Insert the (slightly folded) protector into the open Velcro closure of the back protector pocket. The protector should fill out the entire pocket.

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REWIT

SEESOFT[™] **CE-LEVEL 1 DIVIDED CHEST PROTECTION**

The new SEESOFT™ multi-layer divided chest protector insert offers the opportunity to upgrade certain REV'IT! jackets with CE-level 1 protection (EN 1621-3:2016). This means it performs within the CE-level 1 range of <18kN energy transmission. The multi-impact rated shifting layers of the SEESOFT™ divided chest protector absorb and disperse impact energy.

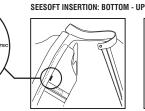
The fully-flexible SEESOFT™ chest protector offers a high level of comfort thanks to its adaptive ergonomics and high-level ventilation. The lightweight memory foam -a blend of Nitrile and Polynorbornene rubber- absorbs impact without compromising freedom of movement.



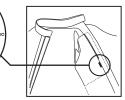
HOW TO INSERT A SEESOFT™ DIVIDED CHEST PROTECTOR **INTO A REV'IT! GARMENT (EXAMPLE)**



DC-L1-B 'L' LEFT



SEESOFT INSERTION: SIDE

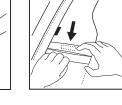


01. Check the label / print inside the garment to determine the correct type and size of SEESOFT protector. Open the protector pocket.



02. Carefully fold the chest protector and insert it through the opening; the largest layer of SEESOFT™ foam should face the user. The protector should fill the entire pocket.

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03. Make sure to securely close the protector pocket after inserting the SEESOFT™ protector.

SHIFTING LAYER CONCEPT







01 » SEESOFT™ protector under impact

02 » Shifting layers absorb and disperse impact energy

03 » Impact release; protector returns to its natural state and is ready for next impact

SEESOFT™ PROPERTIES OVERVIEW







protection

shifting layer system

multi-impact rated



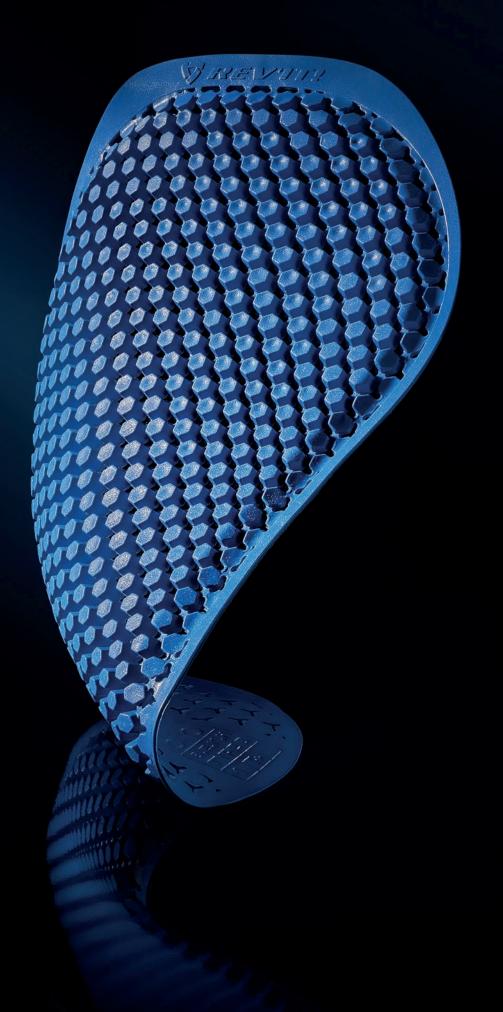


FITTING CHART

Each REV'IT! jacket that is prepared for SEESOFT[™] chest protectors will be equipped with protector-ready pockets.

ART.CODE	ONE PIECE SUITS
FOL026	One Piece Pulsar
FOL027	One Piece Vertex Pro
FOL028	One Piece Nova
ART.CODE	LEATHER COMBI'S
FCL017	Combi Vertex Pro

ART.CODE	LEATHER JACKETS
FJL097	Jacket Vertex GT



SEESMART™ CE-LEVEL 1 LIMB PROTECTION

SEESMART™

SEESMART[™] is the latest innovation in motorcycle protection from our in-house Research and Development team. The thin, extremely flexible yet impact-ready CE-rated protector is ideal for use in items that integrate into daily life.

THE SEESMART™ CONCEPT

With outer shell technologies increasingly enabling us to create stylish yet abrasion resistant riding gear, internal protectors have been the one limiting aspect that is constant across all motorcycling segments. The SEESMART™ concept changes everything. Specifically developed for use in urban motorcycle gear, SEESMART™ offers the highest level of flexibility while passing the EN1621-1:2012 CE-Level 1 impact tests, also in hot (T+) conditions. This development brings us another step closer to our goal of providing the ultimate motorcycle gear in every segment.

SEESMART[™] CONCEPT PROPERTIES



CE-level 1 protection

FLEX

Adaptive ergonomics



Lightweight

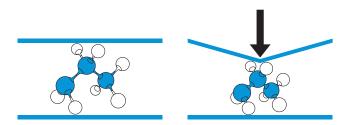


Exceeding protective area

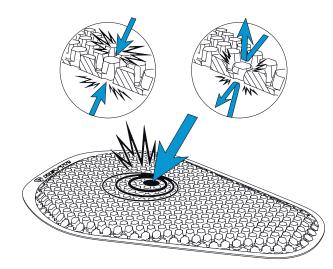


Highly ventilated

IMPACT ABSORPTION: MATERIAL

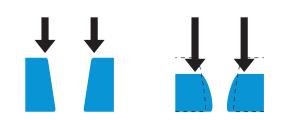


SEESMART[™] is constructed of SEEFLEX2925, the same material as the family of SEEFLEX[™] protectors. It offers the same unique molecular structure, allowing the material to transform kinetic energy from an impact into thermal energy. SEEFLEX2925 is a truly unique material which carries excellent impact absorption properties.

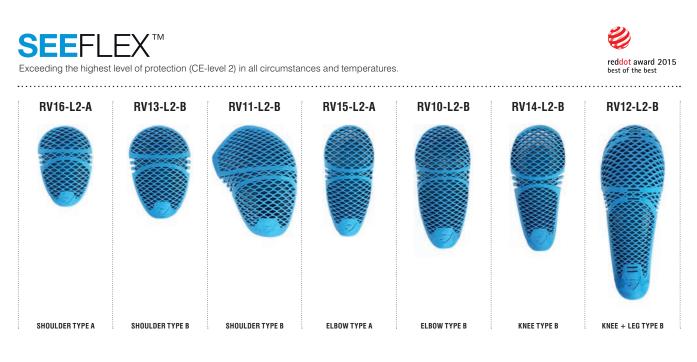


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HOW IT WORKS: EXTERNAL AND INTERNAL EXPANSION



Visible studs in the SEESMART[™] protector are hexagon-shaped and connected by narrow connection bands. This construction enables the protectors to be extremely flexible and remain relatively thin; exactly what a protector designed for clothes that integrate into daily life need to keep from looking like motorcycle gear. The hexagon shaped studs expand externally under impact, allowing them to absorb energy. This combination of external expansion and the use of SEEFLEX2925 material reduces impact energy, giving the protector its impact absorbing properties.

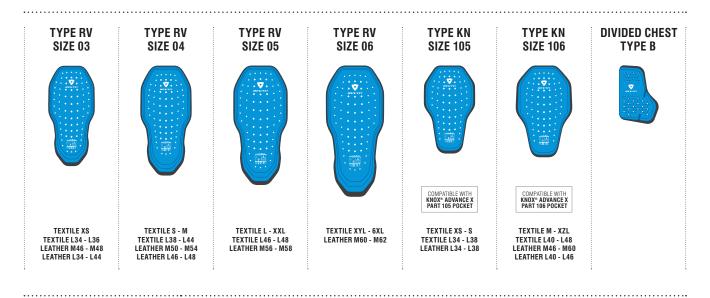


SEESMART[™]

Offering the highest level of flexibility while exceeding CE-level 1, also in hot conditions.



SEESOFTTM Multiple impact absorbsion through shifting layers.



		SEI	EFLEX	X™					SEE	ESMA	\RT™			SEESOFT Type Kn	тм	SEESOF Type RV	T™			RV01
		RV10-L2-B Elbow / Knee	RV11-L2-B Shoulder	RV12-L2-B Knee / Leg	RV13-L2-B Shoulder	RV14-L2-B Knee	RV15-L2-A Elbow	RV16-L2-A Shoulder	RV30-L1-B Knee / Elbow / Shoulder / Hip	RV31-L1-B Shoulder / Knee / Elbow	RV32-L1-B Elbow / Hip	RV33-L 2-B Hip	RV34-L1-B Shoulder / Knee / Elbow	FPB002 Size 105 Back	FPB002 Size 106 Back	FPB003 Size 03 Back	FPB003 Size 04 Back	FPB003 Size 05 Back	FPB003 Size 06 Back	TPG001 Type B Hip
		RV10-L:	RV11-L2	RV12-L3	RV13-L	RV14-L3	RV15-L3	RV16-L;	RV30-L ⁻	RV31-L ⁻	RV32-L1	RV33-L	RV34-L ⁻	FPB002	FPB002	FPB003	FPB003	FPB003	FPB003	TPG001
Art.code	One Piece Suits																			
FOL019	One Piece Hunter															46-48	50-54	56-58		
FOL020	One Piece GT-R															44-48	50-54	56		
FOL021	One Piece Replica															44-48	50-54	56		
FOL022	One Piece Masaru															44-48	50-54	56		
FOL023	One Piece Akira															44-48	50-54	56		
FOL024	One Piece Venom															44-48	50-54	56		
FOL025	One Piece Spitfire															44-48	50-54	56		
FOL026	One Piece Pulsar															46-48	50-54	56		
FOL027	One Piece Vertex Pro															46-48	50-54	56		
FOL028	One Piece Nova															46-48	50-54	56		
-					-					-						-	T	-	-	T
Art.code	Leather Combi's																-			
FCL015	Combi Stellar															46-48	50-54	56-58		
FCL016	Combi Masaru															46-48	50-54	56-58		
FCL017	Combi Vertex Pro															46-48	50-54	56		
Art.code	Leather Jackets																-			
FJL049	Jacket Ignition 2														46-60					
FJL050	Jacket Ignition 2 ladies													34-38	40-44					
FJL054	Jacket Stellar													0100		46-48	50-54	56-58		
FJL055	Jacket Galactic															46-48	50-54	56-58	60	
FJL056	Jacket Galactic ladies															34-44	46			
FJL057	Jacket Roamer															46-48	50-54	56-58	60-62	
FJL058	Jacket Roamer ladies															34-44	46			
FJL059	Jacket Redhook															46-48	50-54	56-58		
FJL060	Jacket Flatbush															46-48	50-54	56-58		
FJL061	Jacket Xena ladies															34-44				
FJL063	Jacket GT-R															46-48	50-54	56-58		
FJL064	Jacket Bellecour ladies															34-44				
FJL065	Jacket Allure Evo ladies															34-44	46			
FJL066	Jacket Adrenaline Evo															46-48	50-54	56-58	60	
FJL067	Jacket Stream															46-48	50-54	56-58		
FJL068	Jacket Replica															46-48	50-54	56-58		
FJL069	Jacket Flatbush Vintage															46-48	50-54	56-58		
FJL070	Jacket Airstream															46-48	50-54	56-58		-
FJL071	Jacket Pilot															46-48	50-54	56-58		
FJL072	Jacket Flatbush Air Vintage															46-48	50-54	56-58		
FJL073	Jacket Masaru															46-48	50-54	56-58		
FJL074	Jacket Akira															46-48	50-54	56-58		
FJL075	Jacket Akira Air															46-48	50-54	56-58		
FJL076	Jacket Akira Vintage															46-48	50-54	56-58		
FJL077	Jacket Akira Air Vintage															46-48	50-54	56-58		<u> </u>
FJL078	Jacket Xena 2 ladies															34-44	46			
FJL079	Jacket Spitfire															46-48	50-54	56-58		
FJL080	Jacket Blake															46-48	50-54	56-58		

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		SEEF	LEX™						SEESI	MART"	м			SEESOF Type RV	T™			RV01
		RV10-L2-B Elbow/ Knee	RV11-L2-B Shoulder	RV12-L2-B Knee / Leg	RV13-L2-B Shoulder	RV14-L2-B Knee	RV15-L2-A Elbow	RV16-L2-A Shoulder	RV30-L1-B Knee / Elbow / Shoulder / Hip	RV31-L1-B Shoulder / Knee / Elbow	RV32-L1-B Elbow / Hip	RV33-L2-B Hip	RV34-L1-B Shoulder / Knee / Elbow	FPB003 Size 03 Back	FPB003 Size 04 Back	FPB003 Size 05 Back	FPB003 Size 06 Back	TPG001 Type B Hip
FJL081	Jacket Blake Air													46-48	50-54	56-58		
FJL082	Jacket Stewart													46-48	50-54	56-58		
FJL083	Jacket Stewart Air													46-48	50-54	56-58		
FJL084	Jacket Gibson													46-48	50-54	56-58		
FJL085	Jacket Fargo													46-48	50-54	56-58		
FJL086	Jacket Albright													46-48	50-54	56-58		
FJL087	Jacket Vaughn													46-48	50-54	56-58		
FJL088	Jacket Roswell													46-48	50-54	56-58		
FJL089	Jacket Lane													46-48	50-54	56-58		
FJL090	Jacket Naples													46-48	50-54	56-58		
FJL091	Jacket Rosa ladies													34-44	46			
FJL092	Jacket Nova Vintage													46-48	50-54	56-58		
FJL093	Jacket Clare ladies													34-44				
FJL094	Jacket Erin ladies													34-44				
FJL095	Jacket Ignition 3													46-48	50-54	56-58	60	
FJL096	Jacket Ignition 3 ladies													34-44	46			
FJL097	Jacket Vertex GT													46-48	50-54	56-58		
Art.code	Textile Jackets																	
FJT150	Jacket Sand 2														S-M	L-XXL	XYL-XZL	
FJT151	Jacket Sand 2 HV														S-M	L-XXL	XYL-XZL	
FJT152	Jacket Levante														S-M	L-XXL	XYL-XZL	
FJT153	Jacket Levante ladies													34-36	38-44	46-48		
FJT154	Jacket Excalibur														S-M	L-XXL	XYL	
FJT155	Jacket Jupiter														S-M	L-XXL	XYL-XZL	
FJT156	Jacket Jupiter ladies													34-36	38-44	46		
FJT157	Jacket Nautilus													XS	S-M	L-XXL	XYL-XZL	
FJT159	Jacket Safari													XS	S-M	L-XXL	XYL-XZL	
FJT160	Jacket Outback													XS	S-M	L-XXL	XYL-6XL	
FJT161	Jacket Trafalgar													XS	S-M	L-XXL	XYL	
FJT162	Jacket Victoria ladies													XS	S-L			
FJT163	Jacket Concorde													XS	S-M	L-XXL	XYL	
FJT164	Jacket Oxford													XS	S-M	L-XXL	XYL	
FJT166	Jacket Rivoli													XS	S-M	L-XXL	XYL	
FJT167	Jacket Crescent ladies													XS	S-L			
FJT169	Jacket Poseidon GTX														М	L-XXL	XYL	
FJT170	Jacket Chronos GTX														S-M	L-XXL	XYL	
FJT171	Jacket Neptune GTX														М	L-XXL	XYL-XZL	
FJT172	Jacket Neptune GTX HV														М	L-XXL	XYL-XZL	
FJT174	Jacket Manzoni													XS	S-M	L-XXL	XYL	
FJT175	Jacket Melrose ladies													XS	S-L			
FJT176	Jacket Hillcrest													XS	S-M	L-XXL	XYL	
FJT178	Jacket Windsor													XS	S-M	L-XXL	XYL	
FJT179	Jacket Monte													XS	S-M	L-XXL	XYL	
FJT180	Jacket GT-R Air													XS	S-M	L-XXL	XYL	
		1													<u>с и</u>			
FJT181	Jacket Voltiac														S-M	L-XXL	XYL-6XL	

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		SEEF	LEX™						SEES	MART	M			SEESOF TYPE RV	T™			RV01
		ow / Knee	oulder	se / Leg	oulder	88	iow	oulder	RV30-L1-B Knee/Elbow/Shoulder/Hip	RV31-L1-B Shoulder / Knee / Elbow	ow / Hip	0	RV34-L1-B Shoulder / Knee / Elbow	3 Back	4 Back	ତ Back	6 Back	3 Hip
		RV10-L2-B Elbow / Knee	RV11-L2-B Shoulder	RV12-L2-B Knee / Leg	RV13-L2-B Shoulder	RV14-L2-B Knee	RV15-L2-A Elbow	RV16-L2-A Shoulder	1 V30-L1-B Kne	1V31-L1-B Sho	RV32-L1-B Elbow / Hip	RV33-L 2-B Hip	1134-L1-B Sho	FPB003 Size 03 Back	FPB003 Size 04 Back	FPB003 Size 05 Back	FPB003 Size 06 Back	TPG001 Type B Hip
FJT183	Jacket Vapor	: =	-	-	-	ш.	-	-		L	-	-	L		S-M	L-XXL	XYL-XZL	
FJT184	Jacket Sand ladies									******				34-36	38-44	46	ATEALE	
FJT185	Jacket Elysee														S-M	L-XXL		
FJT186	Jacket Piazza 2														S-M	L-XXL		
FJT187	Jacket Avenue 2 GTX														S-M	L-XXL		
FJT188	Jacket Airforce													XS	S-M	L-XXL	XYL	
FJT189	Jacket Shield														S-M	L-XXL	XYL	
FJT190	Jacket Raceway													XS	S-M	L-XXL	XYL	
FJT191	Jacket Voltiac ladies													34-36	38-44	46-48		
FJT192	Jacket Monroe ladies													34-36	38-44	46-48		
FJT193	Jacket Cayenne Pro														S-M	L-XXL	XYL	
FJT194	Jacket Defender Pro GTX														S-M	L-XXL	XYL	
FJT195	Jacket Dominator GTX														М	L-XXL	XYL	
FJT196	Jacket Neptune GTX ladies													36	38-44	46		
FJT197	Jacket Zircon														S-M	L-XXL	XYL	
FJT198	Jacket Jackson														S-M	L-XXL	XYL	
FJT199	Jacket Tyler														S-M	L-XXL	XYL	
FJT200	Jacket Dayton														S-M	L-XXL	XYL	
FJT201	Jacket Airwave 2													00	S-M	L-XXL	XYL-XZL	
FJT202 FJT203	Jacket Airwave 2 ladies Jacket Enterprise 2													36	38-44 S-M	46 L-XXL	XYL-XZL	
FJT203	Jacket Safari 2														S-IVI	L-XXL	XYL-XZL	
FJT205	Jacket Tornado 2														S-M	L-XXL	XYL-XZL	
FJT206	Jacket Tornado 2 HV														S-M	L-XXL	XYL-XZL	
FJT207	Jacket Tornado 2 ladies													34-36	38-44			
FJT208	Jacket Outback 2														S-M	L-XXL	XYL-XZL	
FJT209	Jacket Outback 2 ladies													36	38-44	46		
FJT210	Jacket Woodbury														S-M	L-XXL	XYL	
FJT211	Jacket Millburn														S-M	L-XXL	XYL	
FJT212	Jacket Newton														S-M	L-XXL	XYL	
FJT213	Jacket Fulton														S-M	L-XXL		
FJT214	Jacket Williamsburg														S-M	L-XXL		
FJT215	Jacket Metropolitan													XS-S	M-L	XL		
FJT218	Jacket Watson														S-M	L-XXL		
FJT219	Jacket Jupiter 2														S-M	L-XXL	XYL-XZL	
FJT220	Jacket Jupiter 2 ladies													34-36	38-44	46		
FJT221	Jacket Flare														S-M	L-XXL	XYL-XZL	
FJT222	Jacket Lucid														S-M	L-XXL	XYL-XZL	
FJT223	Jacket Eclipse														S-M	L-XXL	XYL-XZL	
FJT224	Jacket Eclipse ladies													34-36	38-44	46		
FJT226 F IT227	Jacket Horizon 2													34-36	S-M 38-44	L-XXL 46	XYL	
FJT227 FJT228	Jacket Horizon 2 ladies Jacket Sand 3													ა4-პზ	38-44 S-M	46 L-XXL	XYL-XZL	
FJT228	Jacket Sand Urban														S-M	L-XXL	XYL-XZL	
FJT229	Jacket Vigor														S-M	L-XXL	ATEALL	
FJT230	Jacket Vigor ladies													34-36	38-44	46		
FJT232	Jacket Stockholm ladies													XS-S	M-L	40 XL		
1				L	L		<u>i</u>		.1			Li						<u>.</u>

		SEEF	LEX™						SEES	MART	м			SEESOF Type rv	T™			RV01
		RV10-L2-B Elbow/Knee	RV11-L2-B Shoulder	RV12-L2-B Knee / Leg	RV13-L2-B Shoulder	RV14-L2-B Knee	RV15-L2-A Elbow	RV16-L2-A Shoulder	RV30-L1-B Knee / Elbow / Shoulder / Hip	RV31-L1-B Shoulder / Knee / Elbow	RV32-L1-B Elbow / Hip	RV33-L2-B Hip	RV34-L1-B Shoulder / Knee / Elbow	FPB003 Size 03 Back	FPB003 Size 04 Back	FPB003 Size 05 Back	FPB003 Size 06 Back	TPG001 Type B Hip
FJT233	Jacket Filmore														S-M	L-XXL		
FJT234	Jacket Burn														S-M	L-XXL	XYL	
FJT235	Jacket Ronson									-					S-M	L-XXL		
FJT236	Jacket Field														S-M	L-XXL		
FJT237	Jacket Downtown														S-M	L-XXL		
FJT238	Jacket Sherlock														S-M	L-XXL		
FJT239	Jacket Wayne														S-M	L-XXL		
FJT240	Jacket Safari 3														S-M	L-XXL	XYL-XZL	
FJT241	Jacket Vapor 2														S-M	L-XXL	XYL	
FJT242	Jacket GT-R Air 2														S-M	L-XXL	XYL	
FJT243	Jacket Vertex Air														S-M	L-XXL	XYL	
FJT244	Jacket Vertex														S-M	L-XXL	XYL	
FJT245	Jacket Vertex H2O														S-M	L-XXL	XYL	
FJT246	Jacket Traction														S-M	L-XXL	XYL	
FJT247	Jacket Torque														S-M	L-XXL	XYL-XZL	
Art.code	Leather Trousers																	
FPL025	Trousers Gear 2																	
FPL026	Trousers Gear 2 ladies																	
FPL028	Trousers Xena ladies																	
FPL029	Trousers GT-R												-					
FPL030	Trousers Marryl Evo ladies																	
FPL031	Trousers Maverick Evo																	
FPL032	Trousers Masaru																	
FPL033	Trousers Xena 2 ladies																	
FPL034	Trousers Ignition 3																	
FPL035	Trousers Ignition 3 ladies																	
FPL036	Trousers Vertex GT																	
Art.code	Textile Trousers																	
FPT058	Trousers Enterprise														-			
FPT059	Trousers Sand 2																	
FPT060	Trousers Poseidon GTX				<u>.</u>			<u>.</u>	<u>.</u>						<u>.</u>			
FPT061	Trousers Neptune GTX						ļ											
FPT063	Trousers Vapor																	
FPT064	Trousers Sand ladies																	
FPT065	Trousers Factor 3																	
FPT066	Trousers Factor 3 ladies																	
FPT067	Trousers Cayenne Pro						<u>.</u>	<u>.</u>	<u>.</u>	<u>.</u>					<u>.</u>		<u>.</u>	
FPT068	Trousers Defender Pro GTX				<u>.</u>													
FPT069	Trousers Dominator GTX																	
FPT070	Trousers Neptune GTX ladies																	
FPT071	Trousers Commuter																	
FPT072	Trousers Airwave 2																	
									ļ	ļ			ļ					1
	Trousers Ainwaya 2 ladica																	
FPT072 FPT073 FPT074	Trousers Airwave 2 ladies Trousers Enterprise 2																	

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		SEEF	LEX™						SEES	MART	м			SEESOF Type RV	T™			RV01
FPT076 FPT077	Trousers Tornado 2 Trousers Tornado 2 ladies	RV10-L2-8 Elbow / Knee	RV11-L2-B Shoulder	RV12-L2-B Knee / Leg	RV13-L2-B Shoulder	RV14-L2-B Knee	RV15-L2-A Elbow	RV16-L2-A Shoulder	RV30-L1-B Knee / Elbow / Shoulder / Hip	RV31-L1-B Shoulder / Knee / Elbow	RV32-L1-B Elbow / Hip	RV33-L2-B Hip	RV34-L1-B Shoulder / Knee / Elbow	FPB003 Size 03 Back	FPB003 Size 04 Back	FPB003 Size 05 Back	FPB003 Size 06 Back	TP6001 Type B Hip
FPT078	Trousers Dominator 2 GTX																	
FPT079 FPT080	Trousers Outback Trousers Outback ladies																	
FPT081 FPT082	Trousers Horizon 2 Trousers Horizon 2 ladies																	
FPT083	Trousers Sand 3																<u>.</u>	
FPT084	Trousers Alpha RF																	
FPT085	Trousers Varenne																	
FPT086	Trousers Varenne ladies																	
FPT087	Trousers Vapor 2														-			
Art.code	Jeans																	
FPJ009	Jeans Rockefeller CE																	
FPJ010	Jeans Memphis H2O																	İ
FPJ011	Jeans Jersey																	
FPJ012	Jeans Philly																	
FPJ019	Jeans Orlando H2O																	
FPJ020	Jeans Austin														-			
FPJ021	Jeans Corona																	
FPJ022	Jeans Orlando H2O ladies Jeans Seattle																	
FPJ023 FPJ024	Jeans Recon																	
FPJ025	Jeans Madison 2 ladies RF																	
FPJ027	Jeans Vendome 2 RF																	
FPJ029	Jeans Lombard 2 RF																	
FPJ031	Jeans Philly 2 LF																	
FPJ032	Jeans Westwood ladies SF																	
								-								-	-	1
Art.code	Jeans Jackets															S-M	L-XXL	
FJJ001	Jacket Intercept															9-M	L-AXL	
Art.code	Textile Other																	
FSO001	Vest Force														S-M	L-XXL		
FSO002	Overshirt Tracer														S-M	L-XXL	XYL	
FSO003	Hoody Stealth														S-M	L-XXL		
FSO004	Overshirt Westport														S-M	L-XXL		
FSO005	Overshirt Hudson														S-M	L-XXL		
FSO006	Overshirt Bison														S-M	L-XXL		
FSO007	Overshirt Logan ladies													XS-S	M-L	XL		
FSO008 FSO009	Overshirt Crosby Armor Sweatshirt Yates														S-M S-M	L-XXL L-XXL		
1 30009	Funder Sweatshill Tales											L		L	U-1VI	L-AAL	1	<u>.</u>

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TRYONIC SIZE CHART

To ensure correct fitment and freedom of movement the protector should be fitted to the body.

SIZE CHART BACK PROTECTION

				CM					INCHES		
		A: 150 - 160 cm B: 38 - 40,5 cm	A: 160 - 170 cm B: 40,5 - 43 cm	A: 170 - 180 cm B: 43 - 45,5 cm	A: 180 - 190 cm B: 45,5 - 48 cm	A: 190 - 200 cm B: 48 - 50,5 cm	A: 59 - 63 inch B: 15 - 16 inch	A: 63 - 67 inch B: 16 - 17 inch	A: 67 - 71 inch B: 17 - 18 inch	A: 71 - 75 inch B: 18 - 19 inch	A: 75 - 79 inch B: 19 - 20 inch
ART.CODE	BACK PROTECTION										
TPB001	Tryonic B.Protector Feel 3.7	-	S C=60-100	М С=70-110	L C=80-115	-	-	S C=23,5-39,5	M C=27,5-43,5	L C=31,5-45,5	-
TPB003	Tryonic B.Protector See+	-	S C=60-100	M C=70-110	L C=80-115	XL C=80-120	-	S C=23,5-39,5	M C=27,5-43,5	L C=31,5-45,5	XL C=31,5-47,5
TAT001	Tryonic Repl. Velcro Belt T.C.F. (FEEL3.7 & SEE+ Back Protector)	-	S	L	L	L	-	S	L	L	L

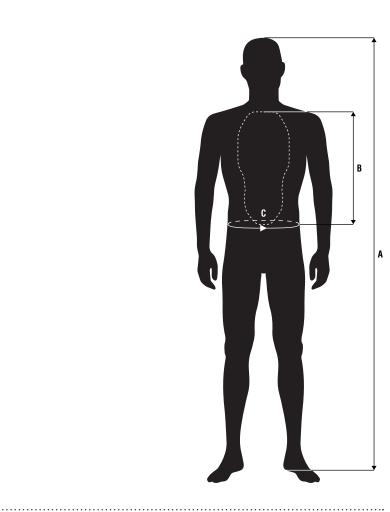
HOW TO MEASURE FOR A BACK PROTECTOR

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(A) BODY LENGTH

(B) LENGTH FROM WAIST TO SHOULDER

(C) WAIST CIRCUMFENCE (RANGE)



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		SAS-TEC®	KNOX	B					PRO-I	LIFE®				BETA)®	
		FPG026 SC-1/07 Hip	FPG012 Advance X CE P65 Back	FPG033 Advance X CE Ladies P64 Back	FPG029 Lite - P55 Shoulder	FPG030 Lite - P56 Elbow/Knee	FPG031 Flexiform - P40 Shoulder	FPG032 Flexiform - P41 Elbow/Knee	FPG007 J400 Shoulders	FPG008 J500 Elbow/Knee	FPG021 J405 Shoulder	FPG022 J505 Elbow/Knee	RPG1203 J621 + Velcro Knee	RPG1506 Betac® "S" Type B Shoulder	RPG1507 Betac* "E" Type B Elbow	RPG1508 Betac* "K+L" Type B Knee
Art.code	One Piece Suits															
FOL019	One Piece Hunter															
FOL020	One Piece GT-R															
FOL021	One Piece Replica															
FOL022	One Piece Masaru															
FOL023	One Piece Akira															
FOL024	One Piece Venom															
FOL025	One Piece Spitfire															
FOL026	One Piece Pulsar															
FOL027	One Piece Vertex Pro															
FOL028	One Piece Nova															
Art.code	Leather Combi's															
FCL015	Combi Stellar															
FCL016	Combi Masaru															
FCL017	Combi Vertex Pro															
Art.code	Leather Jackets															
FJL049	Jacket Ignition 2															
FJL050	Jacket Ignition 2 ladies															
FJL054	Jacket Stellar															
FJL055	Jacket Galactic															
FJL056	Jacket Galactic ladies															
FJL057	Jacket Roamer															
FJL058	Jacket Roamer ladies Jacket Redhook															
FJL059 FJL062	Jacket GT-R															
FJL067	Jacket Stream															
FJL068	Jacket Replica															
FJL070	Jacket Airstream															
FJL071	Jacket Pilot															
Art.code	Textile Jackets															
FJT150	Jacket Sand 2															
FJT151	Jacket Sand 2 HV															
FJT152	Jacket Levante	-														
FJT153	Jacket Levante ladies															
FJT154	Jacket Excalibur															
FJT155	Jacket Jupiter															
FJT156	Jacket Jupiter ladies															
FJT157	Jacket Nautilus															
FJT159	Jacket Safari															
FJT160	Jacket Outback															
FJT161	Jacket Trafalgar															
FJT162	Jacket Victoria ladies															
FJT163	Jacket Concorde															<u> </u>

91.111 PE0021 Hevitorin - P40 FP6028 SC-1/07 FP6028 SC-1/07 FP6023 Advance X CE Ladies P64 FP6033 Inte - P55 FP6031 Inte - P55 FP6031 Inte - P55 FP6032 Inte - P55 FP6031 Inte - P55 FP6031 Inte - P55 FP6032 Inte - P55 FP6033 Inte - P55	RPG1203 J621 + Veicro Knee RPG1206 Belace* *** Tvoe B Shoulder	RPG1507 Betac" "E" Type B Elbow	RPG1508 Betac® "K+L" Type B Knee
		_	RPG1508
E IT 166 lackst Divoli			
FJT166 Jacket Rivoli			
FJT167 Jacket Crescent ladies			
FJT170 Jacket Chronos GTX			
FJT171 Jacket Neptune GTX			
FJT172 Jacket Neptune GTX HV			
FJT174 Jacket Manzoni			
FJT175 Jacket Melrose ladies			
FJT176 Jacket Hillcrest			
FJT178 Jacket Windsor			
FJT179 Jacket Monte			
FJT180 Jacket GT-R Air			
FJT181 Jacket Voltiac			
FJT182 Jacket Voltiac HV			
FJT183 Jacket Vapor FJT184 Jacket Sand ladies			
FJT185 Jacket Elysee			
FJT186 Jacket Piazza 2			
FJT187 Jacket Avenue 2 GTX			
FJT188 Jacket Airforce			
FJT189 Jacket Shield			
FJT190 Jacket Raceway			
FJT191 Jacket Voltiac ladies			
FJT192 Jacket Monroe ladies			
FJT197 Jacket Zircon			
FJT198 Jacket Jackson			
FJT199 Jacket Tyler			
FJT200 Jacket Dayton			
FJT201 Jacket Airwave 2			
FJT202 Jacket Airwave 2 ladies			
FJT203 Jacket Enterprise 2			
FJT204 Jacket Safari 2			
FJT208 Jacket Outback 2			
FJT209 Jacket Outback 2 ladies			
FJT219 Jacket Jupiter 2			
FJT220 Jacket Jupiter 2 ladies FJT221 Jacket Flare			
FJI221 Jacket hare FJI222 Jacket Lucid			
FJT223 Jacket Eclipse			
FJT224 Jacket Eclipse ladies			
FJT230 Jacket Vigor			
FJT231 Jacket Vigor ladies			
FJT234 Jacket Burn			

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		SAS-TEC®	KNOX	R					PRO-I	.IFE®				BETA(®	
		FPG026 SC-1/07 Hip	FPG012 Advance X CE P65 Back	FPG033 Advance X CE Ladies P64 Back	FPG029 Lite - P55 Shoulder	FPG030 Lite - P56 Elbow/Knee	FPG031 Flexiform - P40 Shoulder	FPG032 Flexiform - P41 Elbow/Knee	FPG007 J400 Shoulders	FPG008 J500 Elbow/Knee	FPG021 J405 Shoulder	FPG022 J505 Elbow/Knee	RPG1203 J621 + Velcro Knee	RPG1506 Betac [®] "S" Type B Shoulder	RPG1507 Betac [®] "E" Type B Elbow	RPG1508 Betac* "K+L" Type B Knee
Art.code	Leather Trousers															
FPL025	Trousers Gear 2															
FPL026	Trousers Gear 2 ladies															
FPL029	Trousers GT-R															
Art.code	Textile Trousers															
FPT053	Trousers Arizona GTX															
FPT058	Trousers Enterprise															
FPT059	Trousers Sand 2															
FPT061	Trousers Neptune GTX															
FPT062	Trousers Hercules WR															
FPT063	Trousers Vapor															
FPT064	Trousers Sand ladies															
FPT065	Trousers Factor 3															
FPT066	Trousers Factor 3 ladies															
FPT072	Trousers Airwave 2															
FPT073	Trousers Airwave 2 ladies															
FPT074	Trousers Enterprise 2															
FPT075	Trousers Enterprise 2 ladies															
FPT079	Trousers Outback															
FPT080	Trousers Outback ladies															
Art.code	Jeans															
FPJ001	Jeans Carnaby															
FPJ002	Jeans Campo															
FPJ003	Jeans Nelson															
FPJ004	Jeans Lombard															
FPJ005	Jeans Broadway ladies															
FPJ006	Jeans Vendome															
FPJ007	Jeans Madison ladies															
FPJ010	Jeans Memphis H2O															
FPJ011	Jeans Jersey															
FPJ012	Jeans Philly															

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