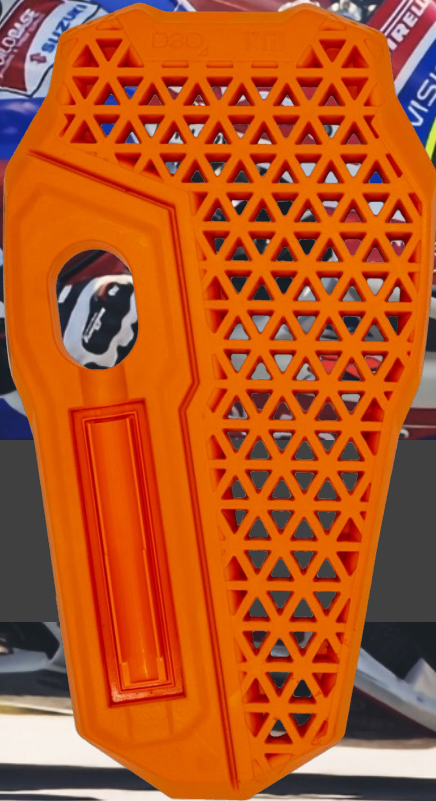


D3O<sup>®</sup>

# IN & MOTION



D3O®

# IN&MOTION

## SUMMARY

The **D3O® In&Motion Back Protector** combines market-leading impact protection from D3O®, with the latest airbag technology from In&Motion.

With a **low profile** and **highly ventilated** geometry, the new back protector is **CE Level 2** certified and uses the latest features developed by D3O to provide superior comfort and breathability alongside protection.

Together, the two technologies provide users with the **highest, most reliable level of protection on the market**, keeping them protected across multiple types of impact and providing the reassurance needed when hitting the road, track or trail.

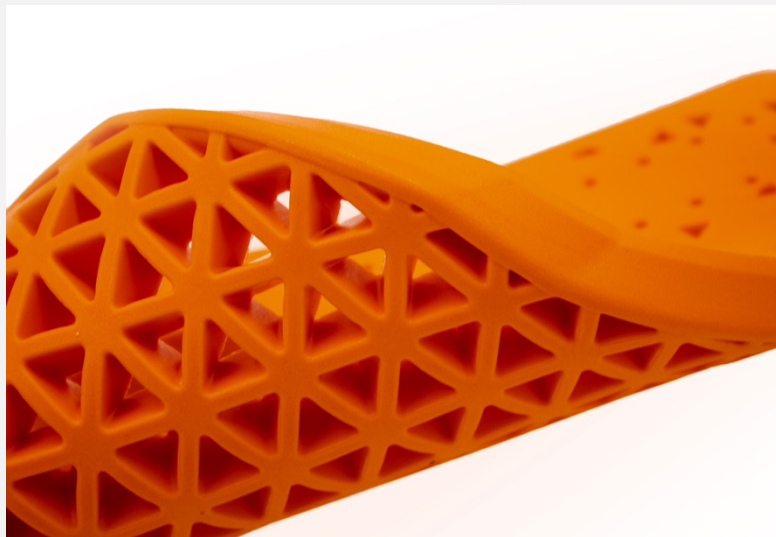


D3O®

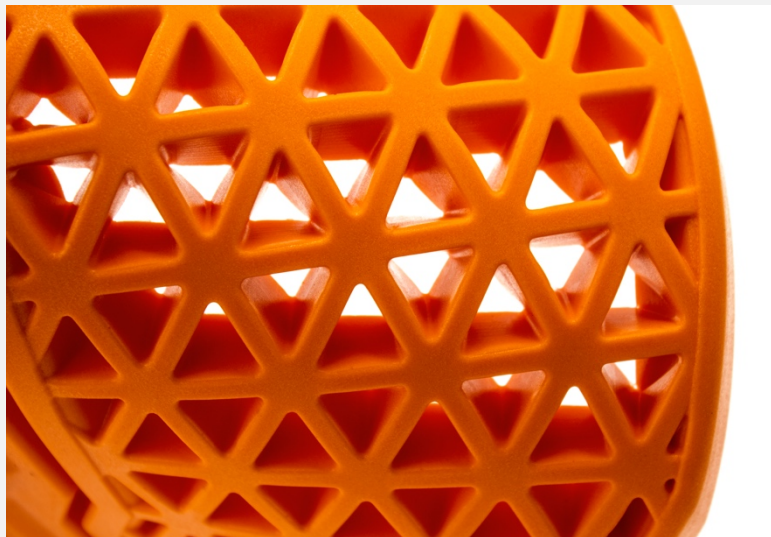
PROTECTED BY  
D3O®

# IN&MOTION

## PRODUCT FEATURES



Flexible, ergonomic design

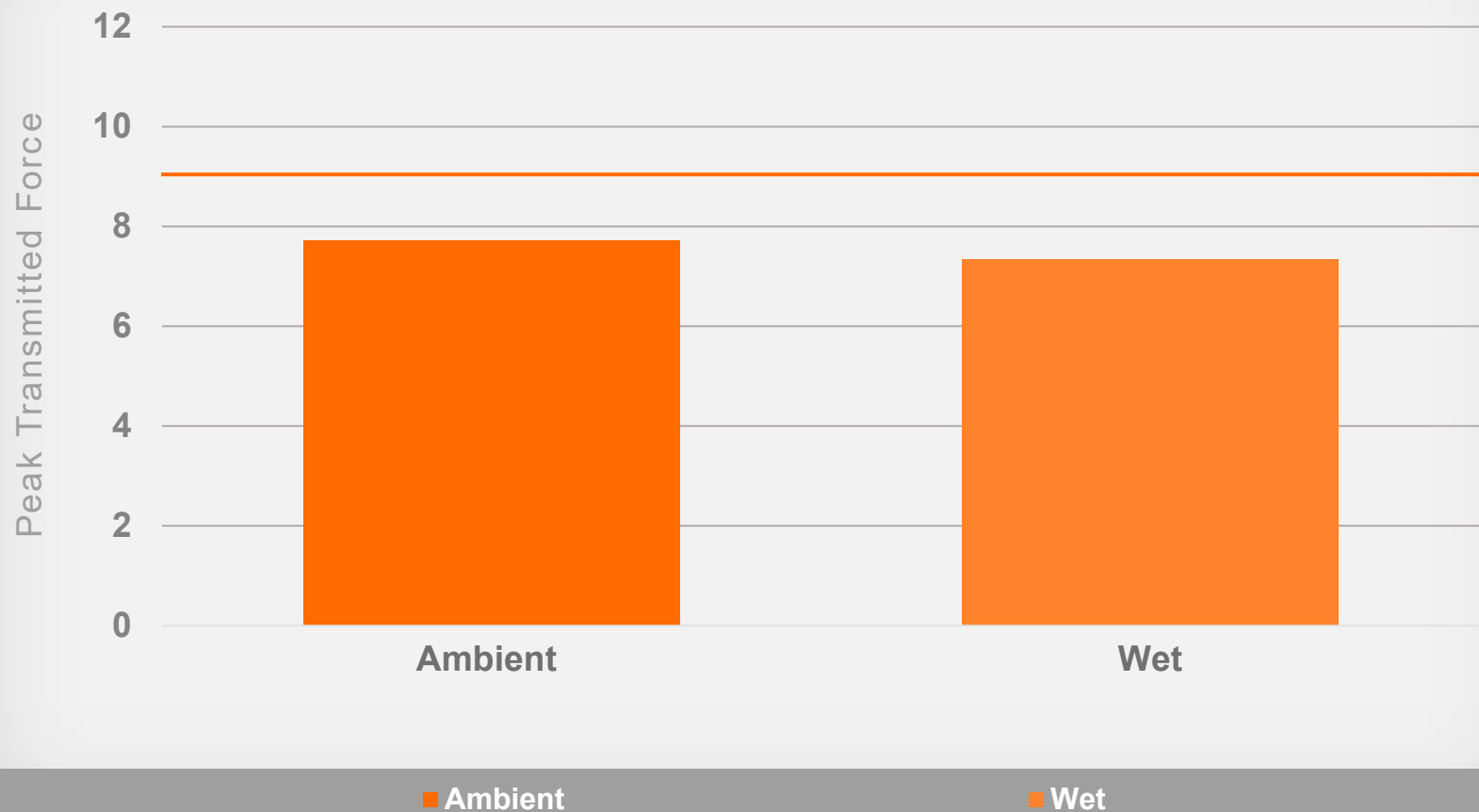


Designed for improved airflow



Low profile

# IMPACT PROTECTION



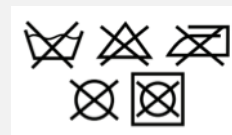
EN 1621-2:2014  
Level 2

**CE certified to EN 1621-2:2014, Level 2, for Ambient and Wet conditions.**  
The lower the Peak Transmitted Force, the higher the impact protection



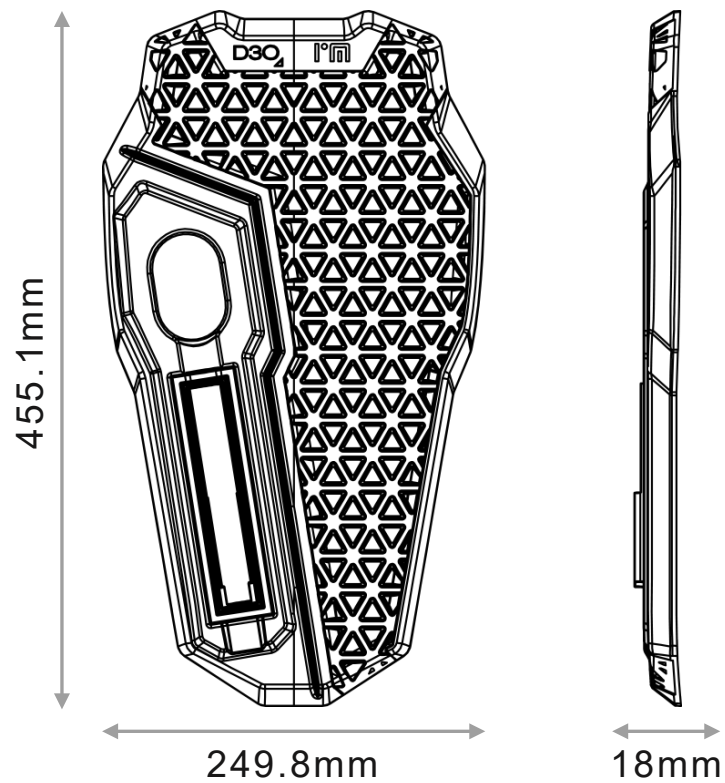
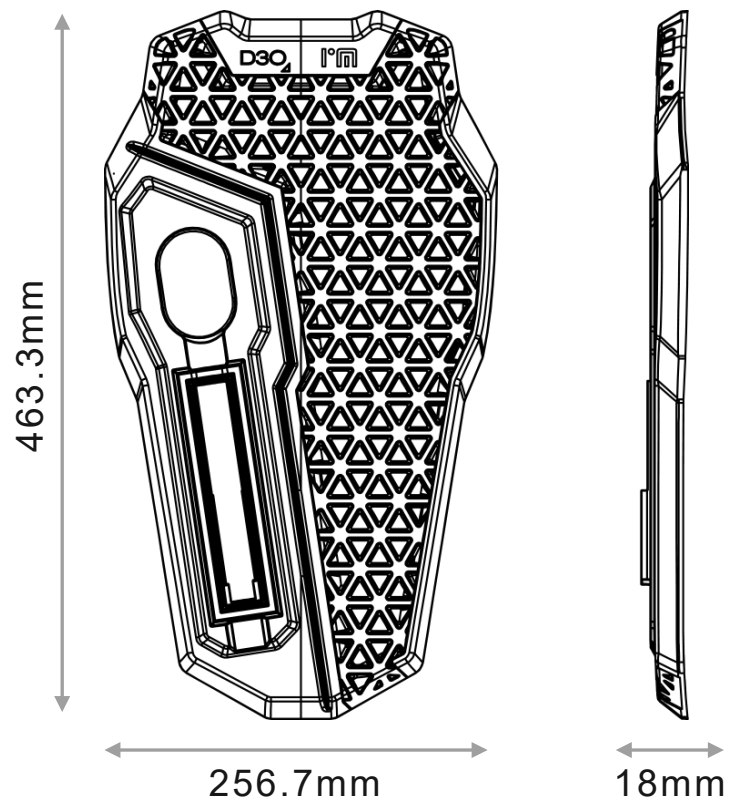
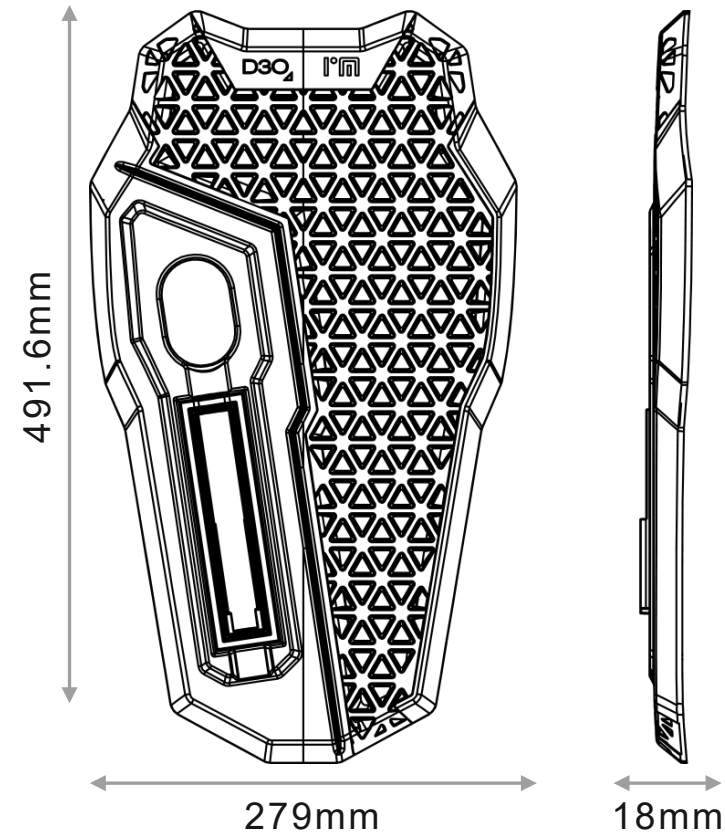
# PROPERTIES

Product Name	Units	Method Reference	D3O® In&Motion Back Protector (S)	D3O® In&Motion Back Protector (M)	D3O® In&Motion Back Protector (L)
Product Code			13869	13870	13871
Colour			Orange	Orange	Orange
Dimensions (LxW)	mm		455.1 x 249.8	463.3 x 256.7	491.6 x 279.0
Thickness	mm		18mm (21.5mm surrounding inflator clamp)		
Weight	g		556.8	589.3	664.6
Torso Length	cm		37-42	40-45	42-47
Impact Protection Ambient		EN 1621-2:2014 Level 2	Pass	Pass	Pass
Impact Protection Wet		EN 1621-2:2014 Level 2	Pass	Pass	Pass
Material Name			ST	ST	ST
Material Code			SF001	SF001	SF001
Material Type			Set Foam	Set Foam	Set Foam
Material Tensile Strength	N/mm <sup>2</sup>	ISO 1798:2008	1.5		
Material Elongation at Break	%	ISO 1798:2008	193.9		
Material Split Tear Strength	N/mm	SATRA TM65	1.5		
Material Flexural Modulus	MPa	DTS052	1.4		
Material Tensile Modulus	MPa	DTS061	2.1		
Material Deceleration (4.5J)	g	DTS002-2	20.5		
Material Compression Set	%	DTS005	7.0		
Material Water Absorbency	%	DTS028	6.0		
Material Accelerated ageing (heat)	%	ISO 2440:2000 (ageing) EN 1621:1997 (impact)	10.0		
Material Accelerated ageing (humidity)	%		-2.0		



FS 635493

# IN&MOTION DIMENSIONS

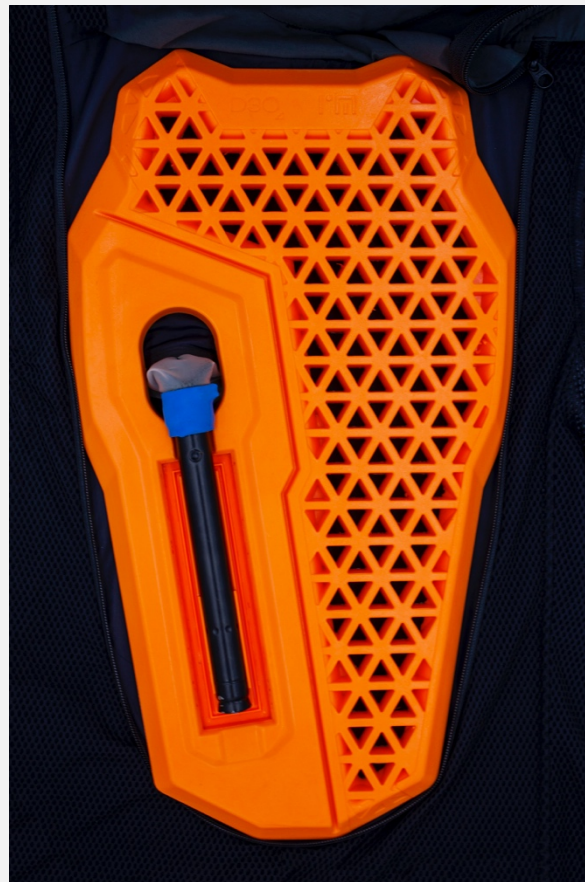
**Small****Medium****Large**

# IN&MOTION

## INTEGRATION FEATURES



**Pad is pocketed**



**Integrated inflator clamp for compatibility with In&Motion Airbag.**



**Tapered edges for better integration**

# FURTHER INFORMATION

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Values shown represent typical product characteristics. For full details including material properties and product tolerances, please request SOQ document from D3O representative. The information provided is not intended to and does not create any warranties, expressed or implied, including any warranty of merchantability of fitness for a particular purpose. In accordance with the Company's policy of continuous improvement, D3O reserves the right to apply such improvements to its products and materials without notice. This data sheet shall not be reproduced or amended without the written consent of Design Blue Limited.

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