

MOTOCAP

This MotoCAP safety rating applies to:

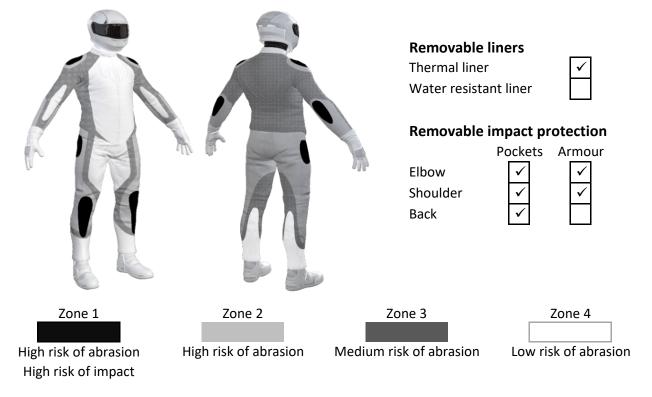
Brand	Ducati
Model	Outdoor C2
Туре	Jacket - Textile
Date purchased	17 May 2021
Sizes tested	L and XL
Test garment gender	Male
Style	All Purpose
RRP	\$426.50

Test Results Summary	Rating	Score
MotoCAP Protection Rating	*	24.2
Abrasion	1/10	0.48
Burst	8/10	864
Impact	6/10	43.8
MotoCAP Breathability Rating	*	0.281
Moisture Vapour Resistance	-	61.3
Thermal Resistance	-	0.287
Water resistance	N/A	N/A

This garment is fitted with impact protectors for the elbows and shoulders. A pocket is provided for an aftermarket back protector. There are no vents to allow airflow movement through the garment. Breathability was measured without the removable thermal liner installed.

Jacket and Pants - Crash Impact Risk Zones

This diagram is a pictorial representation of the crash impact risk Zones.





Abrasion Resistance

The jacket was tested for abrasion resistance in accordance with MotoCAP test protocols. The diagram below is a visual indication of the likely abrasion performance of the materials in each zone calculated from the data in the table below. The colour coding is based on the worst performing material in each zone.



Abrasion Resistan	ce Performance
Abrasion rating	1/10

Abrasion score	0.48

Determining Criteria	Area	Good	Acceptable	Marginal	Poor
High abrasion risk	Zone 1 & 2	> 5.6	3.0 - 5.6	1.3 - 2.9	< 1.3
Medium abrasion risk	Zone 3	> 2.5	1.8 - 2.5	0.8 - 1.7	< 0.8
Low abrasion risk	Zone 4	>1.5	1.0 - 1.5	0.4 - 0.9	< 0.4

Individual Abrasion Resistance Results: - The table below shows the test results for time to abrade through all layers of the materials. Calculated for each sample by Zone, type and area coverage of each material as a proportion of that Zone. Abrasion times are capped at a maximum of 10.00s.

Zone 1 & 2	Coverage (%)	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average	
Material A	40%	2.43	1.65	1.74	2.11	2.00	2.14	2.01	Μ
Material B	60%	1.61	0.48	0.77	0.47	0.59		0.79	Ρ
Zone 3	Coverage (%)	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average	
Material A	35%	2.43	1.65	1.74	2.11	2.00	2.14	2.01	Α
Material B	65%	1.61	0.48	0.77	0.47	0.59		0.79	Ρ
Zone 4	Coverage (%)	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average	
Material B	100%	1.61	0.48	0.77	0.47	0.59		0.79	Μ
									Р

Abrasion time for each test (seconds)

Details of materials used in jacket

Material A	Quilted fabric shell with mesh inner liner
Material B	Fabric shell with mesh inner liner



Burst Strength

The jacket was tested for burst strength in accordance with MotoCAP test protocols. The diagram below illustrates the burst strength results in terms of the likely performance of the garment in an impact and is a pictorial representation of the data from the table below.



Determining Criteria	Unit	Good	Acceptable	Marginal	Poor
Burst strength	(kPa)	> 1000	800 - 1000	500 - 799	< 500

Individual Burst Strength Results: - The table below shows the burst pressure in kilopascals (kPA) for each sample tested by Zone and the average result for each zone.

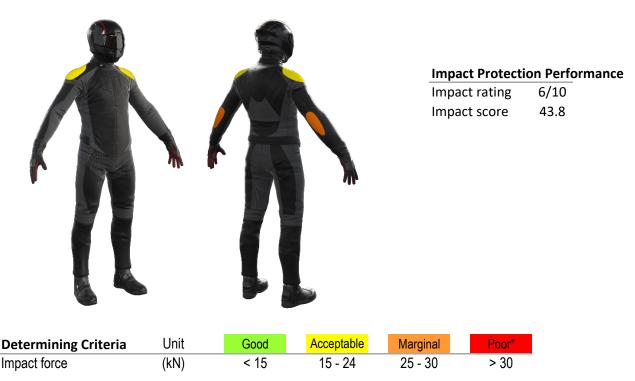
Burst pressure for each seam (kPA)

Area	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average	_
Zones 1 & 2	938	706	651	1249	1037	704	881	Α
Zones 3 & 4	762	780	1020	830	786	621	800	Μ



Impact Protection

The jacket was tested for impact protection and coverage in accordance with MotoCAP test protocols. The diagram below is a visual indication of the likely performance of each impact protector calculated from the data in the table below. The colour coding is based on the worst performing score for average or maximum force for each impact zone. Areas shaded black are not considered for impact protection ratings.



* Poor may also indicate that no impact protector, or impact protector pocket is present in the garment

Individual Impact Protector Results: - The table below shows the test results for each strike on each impact protector in kilonewtons (kN) and their area of coverage as a proportion (%) of the Zone. Individual strike results are capped at a maximum of 50kN.

Impact protector type	Elbow		Shoulder
Average force (kN)	22.1	A	20.0 A
Maximum force (kN)	26.5	Μ	22.6 A
Coverage of Zone 1 area	150%		90%
Coverage of Zone after displacement	100%		90%

Individual Impact Protector Results: - The table below shows the test results for each strike on individual impact protectors in kilonewtons (kN) and the position of the strike. Individual strike results are capped at a maximum of 50kN.

Force transfer for each impact strike (kN)

Impact protector type	Elbow	w Shoulder				
Strike location	Centre	Mid	Edge	Centre	Mid	Edge
Impact Protector 1	20.0	20.6	25.1	18.8	19.5	22.6
Impact Protector 2	21.9	19.8	22.4	19.5	19.6	22.5
Impact Protector 3	21.1	21.2	26.5	19.2	20.0	18.0



Breathability

The jacket was tested for breathability following the MotoCAP test protocols. The table below shows the moisture vapour resistance and the thermal resistance values obtained.

Without removable l	With	ant liner		
Breathability rating	*	Brea	Breathability rating	
Breathability score	0.281	Brea	thability score	N/A
Moisture Vapour Resis	stance - R _{et} (kPa.m²/W)	1	2	Average
Without removable liner	S	61.2	61.4	61.3
With water-resistant line	r	N/A	N/A	N/A
Thermal Resistance - I	R _{ct} (K.m²/W)	1	2	Average
Without removable liner	S	0.286	0.288	0.287
With water-resistant line	r	N/A	N/A	N/A

Water spray and rain resistance

This jacket has not been advertised as water-resistant so has not been tested for water spray and rain resistance.

Assessment Details.

Brand	
Model	
Туре	,
Date purchased	
Tested by	
Garment test reference	,
Rating first published	
Rating updated	1

Ducati Outdoor C2 Jacket - Textile 17 May 2021 AMCAF, Deakin University J20T28 October 2021 22 October 2021