This MotoCAP safety rating applies to:
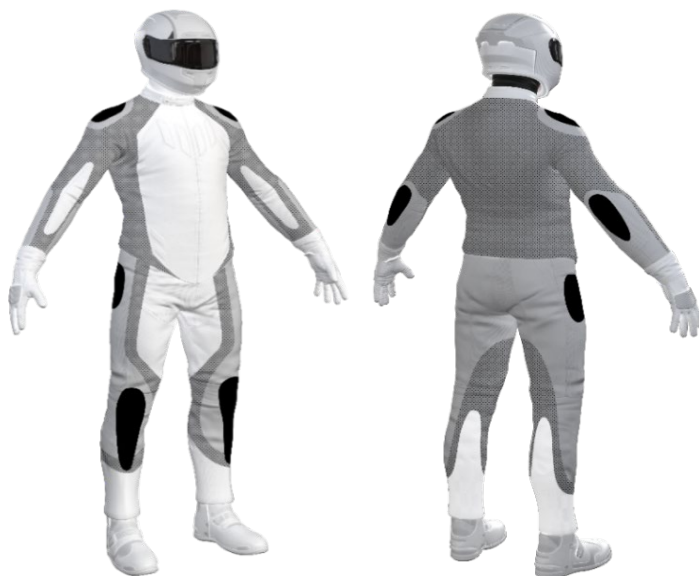
Brand	Ducati
Model	Company C3 Women
Type	Jacket - Leather
Date purchased	18 January 2022
Sizes tested	44 and 46
Test garment gender	Female
Style	All Purpose
RRP	$619.00

Test Results Summary	Rating	Score
MotoCAP Protection Rating	★★	36.5
Abrasion	4/10	2.93
Burst	9/10	994
Impact	5/10	39.6
MotoCAP Breathability Rating	↗	0.142
Moisture Vapour Resistance	-	118.1
Thermal Resistance	-	0.280
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 is perforated leather in the shoulders to allow airflow movement through the garment.

Jacket and Pants - Crash Impact Risk Zones

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

Removable liners

Thermal liner ☐
Water-resistant liner ☐

Removable impact protection

	Pockets	Armour
Elbow	✓	✓
Shoulder	✓	✓
Back	✓	☐

Zone 1	Zone 2	Zone 3	Zone 4
High risk of abrasion High risk of impact	High risk of abrasion	Medium risk of abrasion	Low risk of abrasion

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 Resistance Performance

Abrasion rating	4/10
Abrasion score	2.93

Determining Criteria	Area	Good	Acceptable	Marginal	Poor
High abrasion risk	Zones 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.

Abrasion time for each test (seconds)

Zones 1 & 2	Coverage (%)	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average	
Material A	30%	8.07	7.01	7.13	6.54			7.19	G
Material B	70%	3.05	3.29	3.54	3.17	2.47	2.70	3.04	A
Zone 3	Coverage (%)	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average	
Material B	95%	3.05	3.29	3.54	3.17	2.47	2.70	3.04	G
Material C	5%	1.84	1.97	1.58	1.70			1.77	M
Zone 4	Coverage (%)	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average	
Material B	100%	3.05	3.29	3.54	3.17	2.47	2.70	3.04	G

Details of materials used in jacket

Material A	Leather shell, foam layer and mesh inner liner
Material B	Leather shell with mesh inner liner
Material C	Perforated leather shell with mesh inner liner

**Ducati Company C3 Women
Leather Jacket**

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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.

Burst Strength Performance

Burst rating	9/10
Burst score	994

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	1484	952	750	733	895	790	934	A
Zones 3 & 4	835	750	1263	1512	1952	1098	1235	G

Ducati Company C3 Women Leather Jacket

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.

Impact Protection Performance

Impact rating	5/10
Impact score	39.6

Determining Criteria	Unit	Good	Acceptable	Marginal	Poor*
Impact force	(kN)	< 15	15 - 24	25 - 30	> 30

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

Impact Protector Results: - The table below shows the average and maximum force transmitted through each impact protector type in kilonewtons (kN) and their area of coverage as a proportion (%) of the Zone.

Impact protector type	Elbow		Shoulder	
Average force (kN)	22.4	A	19.7	A
Maximum force (kN)	23.3	A	23.3	A
Coverage of Zone 1 area	90%		105%	
Coverage of Zone after displacement	100%		100%	

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			Shoulder		
Strike location	Centre	Mid	Edge	Centre	Mid	Edge
Impact Protector 1	21.2	22.9	22.2	17.9	17.6	23.3
Impact Protector 2	23.0	21.4	23.3	19.9	18.3	20.2
Impact Protector 3	23.1	21.5	23.0	20.6	19.7	20.1

Ducati Company C3 Women Leather Jacket

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 liners		With water-resistant liner	
Breathability rating	⬏	Breathability rating	N/A
Breathability score	0.142	Breathability score	N/A

Moisture Vapour Resistance - R_{et} (kPa.m^2/W)	1	2	Average
Without removable liners	115.8	120.5	118.1
With water-resistant liner	N/A	N/A	N/A

Thermal Resistance - R_{ct} (K.m^2/W)	1	2	Average
Without removable liners	0.273	0.287	0.280
With water-resistant liner	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	Ducati
Model	Company C3 Women
Type	Jacket - Leather
Date purchased	18 January 2022
Tested by	AMCAF, Deakin University
Report approved by	MotoCAP Chief Scientist
Garment test reference	J20L33
Rating first published	March 2022
Rating updated	18 March 2022