


This MotoCAP safety rating applies to:

Brand: Ducati
Model: Corse C3
Type: Glove - Leather
Date purchased: 11/08/2018
Sizes tested: XL
Gender: M
Style: Sports
Test code: G18L01

Test Results Summary:

	Rating	Result
MotoCAP Protection Rating	★★★★★	5.2
Abrasion	10/10	7.10
Seam strength	6/10	11.2
Impact	7/10	11.8
Water resistance	1/10	127

This glove is fitted with impact protectors for the knuckles, palm and wrist areas. There is no ventilation provided in the glove to aid cooling in hot weather.

Gloves - Crash Impact Risk Zones

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


Zone 1


High risk of impact
Medium risk of abrasion

Zone 2


High risk of abrasion

Zone 3


Medium risk of abrasion

Zone 4


Low risk of abrasion

Abrasion Resistance

The glove was tested for abrasion resistance in accordance with MotoCAP test protocols. The table below shows the test results for time to abrade to material failure for each sample by Zone, type and area coverage of each material as a proportion of that Zone.

Details of materials used in garment:

Material A:	Double layer of leather with rubber grains attached plus Kevlar inner liner
Material B:	Double layer of leather plus Kevlar inner liner
Material C:	Leather patch on leather layer plus fabric inner liner
Material D:	Single layer of leather

Zone	Coverage (%)	Abrasion time for each test (s)						Average (s)		
		1	2	3	4	5	6			
Zone 2 area (High abrasion risk)										
Material A	80%	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	G
Material B	20%	4.08	4.17	2.92	5.12	3.50	4.19	4.00	4.00	A
Zone 3 area (Medium abrasion risk)										
Material C	30%	6.56	5.86	7.86	8.02	10.00	7.26	7.59	7.59	G
Material D	70%	4.72	2.61	2.87	4.78	2.26	5.35	3.77	3.77	G
Zone 4 area (Low abrasion risk)										
Material B	90%	4.08	4.17	2.92	5.12	3.50	4.19	4.00	4.00	G
Material D	10%	4.72	2.61	2.87	4.78	2.26	5.35	3.77	3.77	G

Abrasion times are capped at a maximum of 10.00s.

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 above.



Determining Criteria		Good	Acceptable	Marginal	Poor
High abrasion risk	Zone 2:	> 4.0	2.7 - 4.0	1.2 - 2.6	< 1.2
Medium abrasion risk	Zone 3:	3.5	2.5 - 3.5	1.0 - 2.4	< 1.0
Low abrasion risk	Zone 4:	>2.5	1.8 - 2.5	0.8 - 1.7	< 0.8

Seam Tensile Strength

The tensile strength of the gloves seams and glove restraint (the force required to drag off a correctly fastened glove) were tested in accordance with MotoCAP test protocols. The table below shows the seam tensile strength in newtons per millimeter (N/mm) for each seam tested by Zone and the average result for each Zone.

Seam tensile strength (N/mm)

Area	1	2	3	4	5	Average	
Zones 2 & 3	4.44	11.48	7.64	6.90	7.72	7.64	M
Zone 4	15.25	17.02	10.95	20.00	19.76	16.60	G

The table below shows the force required to remove the restrained glove in newtons (N) for each glove tested and the average result.

Glove restraint (N)

Area	1	2	3	4	5	Average	
Wrist restraint	500.0	500.0	495.1	441.2	500.0	487.3	G

The diagram below illustrates the tensile strength and wrist restraint results in terms of the likely performance of the glove in a crash and is a pictorial representation of the data from the tables above.



Determining Criteria		Good	Acceptable	Marginal	Poor
Seam tensile strength	(N/mm)	> 15	10 - 15	6.5 - 9.9	< 6.5
Glove restraint	(N)	> 400	300 - 400	200 - 299	<200

Impact Protection

The glove was tested for impact protection and coverage in accordance with MotoCAP test protocols. The table below shows the test results for each strike on each impact protector in kilonewton (kN) and their area of coverage in percentage (%) within the Zone.

Impact protector type		Knuckles		Palm		Wrist	
Average force	(kN)	0.81	G	2.5	G	4.9	A
Maximum force	(kN)	1.10	G	3.40	G	5.60	M
Coverage of zone 1 area		110%		65%		90%	

Individual test results

Impact force (kN)	Knuckles			Palm	
	A	B	C	A	B
Impact Protector 1	0.90	1.10	0.60	2.40	2.10
Impact Protector 2	0.90	0.70	0.70	3.40	2.10
Impact Protector 3	0.70	0.90	1.00		

Impact force (kN)	Wrist	
	A	B
Impact Protector 1	4.20	
Impact Protector 2	5.60	
Impact Protector 3		

The diagram below is a visual indication of the likely performance of each impact protector calculated from the data in the table above. The colour coding is based on the worst performing score for average or maximum force for each impact zone.



Determining Criteria

Knuckle and wrist Impact force (kN)	< 2	2 - 4.9	5 - 8	> 8
Palm impact force (kN)	< 4	4 - 5.9	6 - 8	> 8

* Poor may also indicate that no impact protector is present in the glove

Areas shaded black are not considered in the impact protection ratings.

Water spray and rain resistance

This glove is advertised as water-resistant, and so has been tested for water spray and rain resistance according to the MotoCAP test protocols. The table below contains the total water adsorbed by each pair of gloves in millilitres (ml) and mass percentage (%).

	Water absorbed by glove		Water absorbed by cotton glove	
	Volume (ml)	Percentage (%)	Volume (ml)	Percentage (%)
Pair 1	115.5	35%	26.3	125%
Pair 2	112.1	34%	44.1	207%
Average	115.2	35%	26.8	127%

Location of wetting:

Visible wetting to the cotton glove worn under the motorcycle water resistant glove was present over the entire glove area in three out of four of the gloves tested. One of the four gloves did not have any wetting of its cotton glove.