This MotoCAP safety rating applies to:

Brand:	Dainese
Model:	Mig C2
Type:	Glove - Leather
Date purchased:	11 August 2018
Sizes tested:	XXXL
Gender:	M & F
Style:	Sports
Test code:	G18L02

Test Results Summary:

	Rating	Result
MotoCAP Protection Rating	★★	2.9
Abrasion	8/10	4.14
Seam strength	3/10	6.9
Impact	2/10	5.3
Water resistance	1/10	244

This glove is fitted with impact protectors for the knuckles and palm but there is no impact protection in the wrist area. There is mesh fabric on the tops of the fingers and upper wrist and perforated leather on the thumb and palm 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	Zone 2	Zone 3	Zone 4
High risk of impact Medium risk of abrasion	High risk of abrasion	Medium risk of abrasion	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:	Single layer of leather shell overstitched with a second layer of leather
Material B:	Single layer of leather shell
Material C:	Single layer of suede leather shell overstitched with a second layer of suede leather
Material D:	Single layer of leather shell with a foam backing

Zone	Coverage	Abrasion time for each test (s)						Average	
	(%)	1	2	3	4	5	6	(s)	
Zone 2 area (High abrasion risk)									
Material A	80%	9.62	6.09	6.55	9.15	5.20	4.39	6.83	G
Material B	20%	1.79	1.67	1.50	1.49	2.74	1.91	1.85	M
Zone 3 area (Medium abrasion risk)									
Material C	20%	6.08	4.40	6.29	6.50	4.22	5.44	5.49	G
Material B	80%	1.79	1.67	1.50	1.49	2.74	1.91	1.85	M
Zone 4 area (Low abrasion risk)									
Material D	90%	4.24	7.85	3.00	3.80	3.64		4.51	G
Material B	10%	1.79	1.67	1.50	1.49	2.74	1.91	1.85	A

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	8.91	8.15	8.06	8.53	8.42	8.41	M
Zone 4	16.08	11.96	15.20	14.78	12.93	14.19	A

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	282.5	273.9	252.5	209.4	273.9	258.4	M

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)	0.77	G	5.1	A		P
Maximum force	(kN)	0.80	G	6.20	M		P
Coverage of zone 1 area		100%		60%		0%	

Individual test results

Impact force (kN)	**Knuckles**			**Palm**	
Strike location	**A**	**B**	**C**	**A**	**B**
Impact Protector 1	0.70	0.80	0.80	4.70	4.40
Impact Protector 2	0.80	0.70	0.70	4.50	6.20
Impact Protector 3	0.80	0.80	0.80	5.30	5.20

Impact force (kN)	**Wrist**	No impact protector present
Strike location	**A**	**B**
Impact Protector 1		
Impact Protector 2		
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 maximium force for each impact zone.

Determining Criteria		Good	Acceptable	Marginal	Poor*
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	88.7	49%	37.1	176%
Pair 2	139.16	79%	64.8	312%
Average	113.9	64%	51.0	244%

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 only had wetting on the palm of its cotton glove.