



### This MotoCAP safety rating applies to:

**Brand:** Five Gloves

Model:Stunt Evo Leather AirType:Glove - LeatherDate purchased:23 October 2018

Sizes tested: XL and L
Gender: M & F
Style: All Purpose
Test code: G18L12

#### **Test Results Summary:**

	Rating	Result
MotoCAP Protection Rating	*	1.97
Abrasion	4/10	2.44
Seam strength	1/10	1.1
Impact	4/10	7.1
Water resistance	N/A	N/A

This glove is fitted with impact protectors for the knuckles and palms, there is no provision for impact protection for the wrist. There is perforated leather on the tops of the fingers to allow airflow 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

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: Leather shell
Material B: Suede leather shell
Material C: Perforated leather shell

Zone	Coverage	Abrasion t	time for eac	ch test (s)				Average
	(%)	1	2	3	4	5	6	(s)
Zone 2 area (l	High abrasion ris	sk)						
Material A	50%	4.59	2.88	4.08	1.70	2.25		3.10 A
Material C	50%	2.80	3.21	1.85	1.97	2.74	2.69	2.54 M
Zone 3 area (l	Medium abrasio	n risk)						
Material A	50%	4.59	2.88	4.08	1.70	2.25		3.10 A
Material B	50%	0.37	0.32	1.67	0.10	0.67	0.13	0.54 P
Zone 4 area (l	Low abrasion ris	k)						
Material A	40%	4.59	2.88	4.08	1.70	2.25	2.69	3.03 <b>G</b>
Material C	60%	2.80	3.21	1.85	1.97	2.74	2.69	2.54 <b>G</b>

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. The colour coding is based on the worst performing material in each zone.





## **Seam Tensile Strength**

The tensile strength of the gloves seams and glove restraint (the force required to drag off a properly 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	7.79	5.40	7.75	5.53	0.00	6.62 M
Zone 4	6.17	7.10	6.43	6.97	5.14	6.36

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

Glove restraint (N)

Glove	1	2	3	4	5	Average
Wrist restraint	73.2	93.5	46.7	55.9	65.1	66.9 P

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.



		Good	Acceptable	Marginal	Poor
<b>Determining Criteria</b>					
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 kilonewtons (kN) and their area of coverage in percentage (%) within the Zone.

Impact protector typ	е	Knuckles	Palm	Wrist
Average force	(kN)	1.19 <b>G</b>	0.9 <b>G</b>	P
Maximum force	(kN)	1.32 <b>G</b>	0.88 <b>G</b>	P
Coverage of zone 1	area	95%	110%	0%

Impact forces are capped at a maximum of 10.0kN.

#### Individual test results

Impact force (kN)	Knuckles			Palm	
Strike location	Α	В	С	Α	В
Impact Protector 1	1.32	1.32	0.99	0.88	0.88
Impact Protector 2	0.99	1.21	1.32	0.88	
Impact Protector 3					
Impact force (kN)	Wrist	No impact prot	ector present		
Strike location	Α	В			

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.



<sup>\*</sup> 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 has not been advertised as water resistant so has not been tested for water spray and rain resistance.