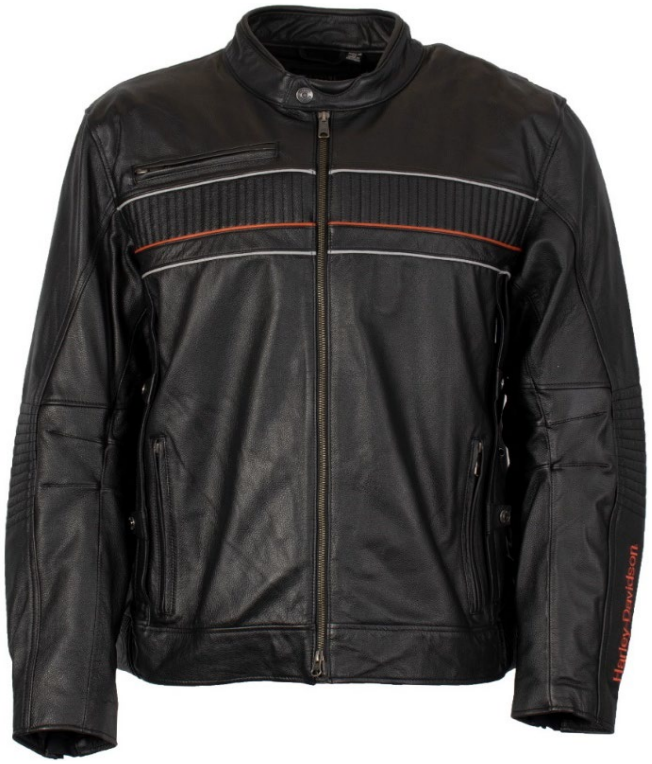


This MotoCAP safety rating applies to:

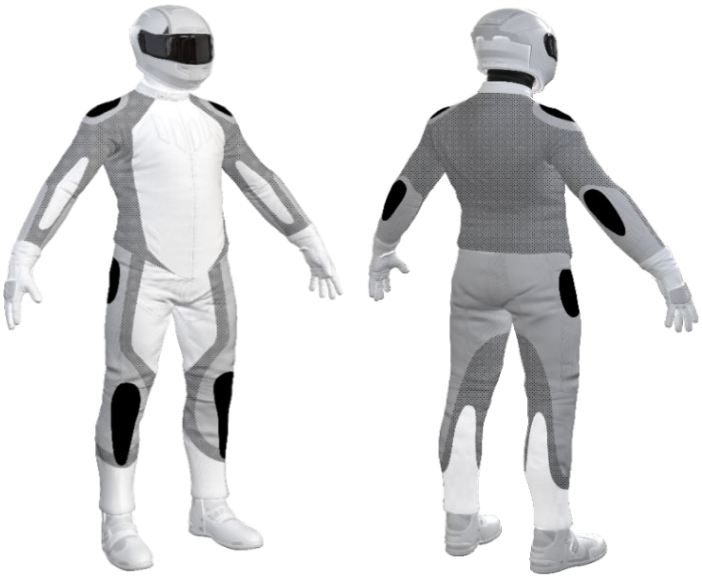
Brand	Harley Davidson
Model	I-94 Triple Vent
Type	Jacket - Leather
Date purchased	20 October 2021
Sizes tested	XL & 2XL
Test garment gender	Male
Style	All Purpose
RRP	$860.85

Test Results Summary	Rating	Score
MotoCAP Protection Rating	★	20.8
Abrasion	3/10	2.14
Burst	10/10	1003
Impact	1/10	0.0
MotoCAP Breathability Rating	★	0.149
Moisture Vapour Resistance	-	94.3
Thermal Resistance	-	0.234
Water resistance	N/A	N/A

This garment is not fitted with impact protectors. Pockets are provided at the shoulders, elbows and back for fitting aftermarket impact protectors. Adding elbow and shoulder impact protectors would improve the protection levels of this garment. There are zipped vents in the chest, lower arms and back to allow controlled airflow movement through the garment. The breathability rating is based on tests of the garment's materials when all vents are closed. The breathability of this product may be better when the vents can be opened.

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	☐

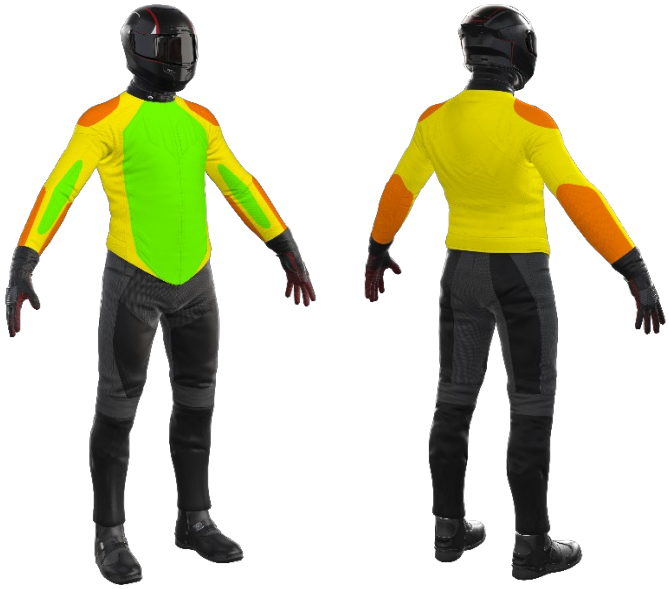
Removable impact protection

	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	3/10
Abrasion score	2.14

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)

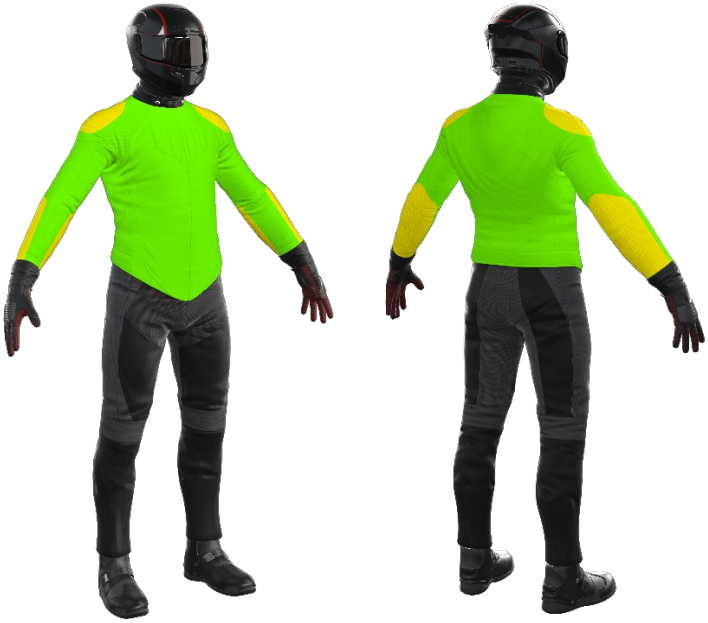
Zones 1 & 2	Coverage (%)	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average	
Material A	50%	3.62	3.16	3.89	2.66			3.33	A
Material B	50%	1.58	2.71	2.14	1.89	2.33	1.87	2.09	M
Zone 3	**Coverage (%)**	**Sample 1**	**Sample 2**	**Sample 3**	**Sample 4**	**Sample 5**	**Sample 6**	**Average**	
Material A	10%	3.62	3.16	3.89	2.66			3.33	G
Material B	90%	1.58	2.71	2.14	1.89	2.33	1.87	2.09	A
Zone 4	**Coverage (%)**	**Sample 1**	**Sample 2**	**Sample 3**	**Sample 4**	**Sample 5**	**Sample 6**	**Average**	
Material A	5%	3.62	3.16	3.89	2.66			3.33	G
Material B	95%	1.58	2.71	2.14	1.89	2.33	1.87	2.09	G

Details of materials used in jacket

Material A	Quilted leather shell with mesh inner liner
Material B	Leather 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.



Burst Strength Performance	
Burst rating	10/10
Burst score	1003

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

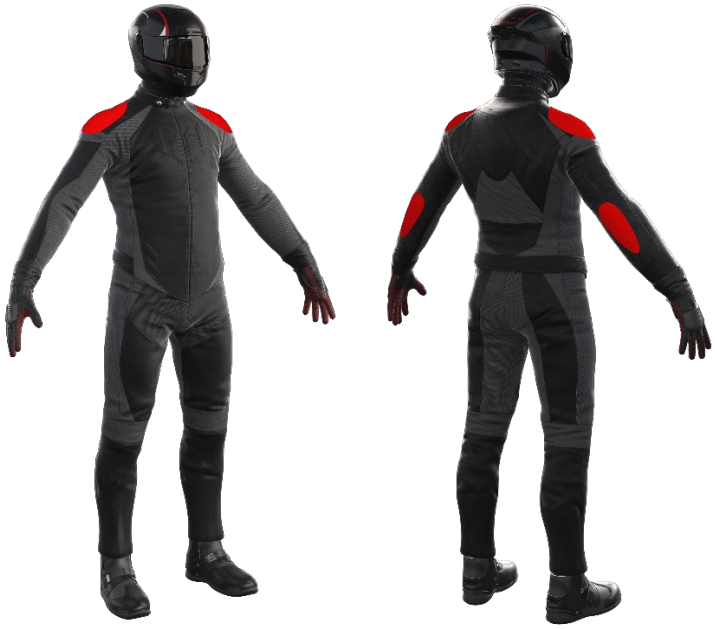
Individual Burst Strength Results: - The table below shows the burst pressure in kilopascals (kPA) for each sample tested by Zone and the average result for each zone.

Burst pressure for each seam (kPA)

Area	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average	
Zones 1 & 2	882	730	1198	1002	1078	1016	985	A
Zones 3 & 4	1062	925	1966	843	822	867	1081	G

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	1/10
Impact score	0.0

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)		P		P
Maximum force (kN)		P		P
Coverage of Zone 1 area	0%		0%	
Coverage of Zone after displacement	0%		0%	

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	No impact protector present		Shoulder	No impact protector present	
Strike location	Centre	Mid	Edge	Centre	Mid	Edge
Impact Protector 1						
Impact Protector 2						
Impact Protector 3						

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	0.149	Breathability score	N/A

Moisture Vapour Resistance - R_{et} (kPa.m^2/W)	1	2	Average
Without removable liners	94.0	94.6	94.3
With water-resistant liner	N/A	N/A	N/A

Thermal Resistance - R_{ct} (K.m^2/W)	1	2	Average
Without removable liners	0.231	0.236	0.234
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	Harley Davidson
Model	I-94 Triple Vent
Type	Jacket - Leather
Date purchased	20 October 2021
Tested by	AMCAF, Deakin University
Report approved by	MotoCAP Chief Scientist
Garment test reference	J20L26
Rating first published	January 2022
Rating updated	24 January 2022