

MOTOCAP

This MotoCAP safety rating applies to:

Brand:	Triumph
Model:	Hero Riding
Туре:	Pants - Denim
Date purchased:	4 July 2018
Sizes tested:	36
Gender:	Μ
Style:	All Purpose
Test code:	P18D09

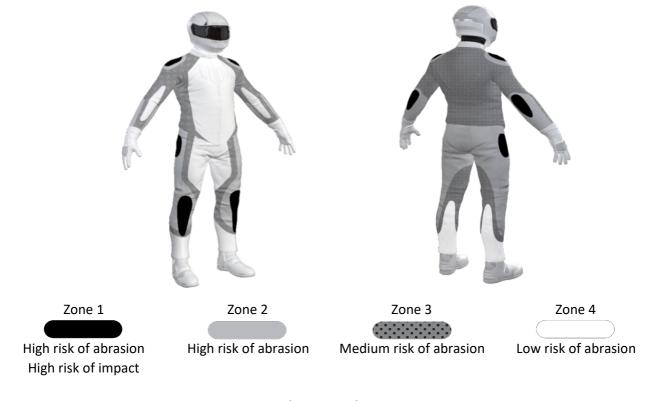
Test Results Summary:

	Rating	Result
MotoCAP Protection Rating	****	52.6
Abrasion	5/10	3.74
Burst	10/10	1651
Impact	8/10	58.0
MotoCAP Comfort Rating	***	0.488
Moisture Vapour Resistance		31.1
Thermal Resistance		0.253
Water Resistance	N/A	

This garment is fitted with impact protectors for the knees and hips.

Jacket and Pants - Crash Impact Risk Zones

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





Abrasion Resistance

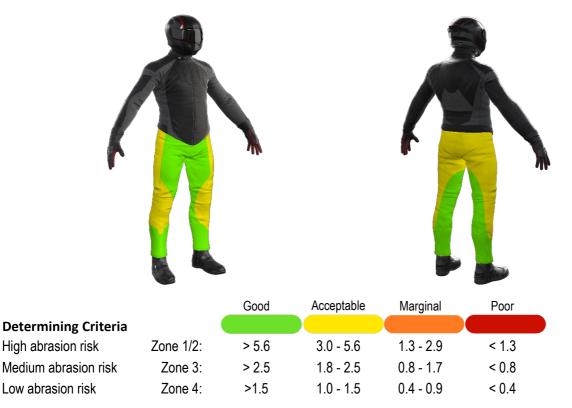
The garment was tested for abrasion resistance following the MotoCAP test protocols. The table below shows the test results for time to abrade through all layers of the materials. Calculated for each sample by Zone, type and area coverage of each material as a proportion of that Zone.

Details of materials used in garment:

Material A: Single layer of denim outer, PEKEV fabric plus mesh inner liner

Zone	Coverage	Abrasion	time for eac	ch test (s)				Average
	(%)	1	2	3	4	5	6	(s)
Zone 1 and 2	areas (High abra	asion risk)						
Material A	100%	3.56	3.64	3.61	4.37	3.81	3.44	3.74 <mark>A</mark>
Zone 3 area (Medium abrasio	n risk)						
Material A	100%	3.56	3.64	3.61	4.37	3.81	3.44	3.74 <mark>G</mark>
Zone 4 area (Low abrasion ris	sk)						
Material A	100%	3.56	3.64	3.61	4.37	3.81	3.44	3.74 G

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.



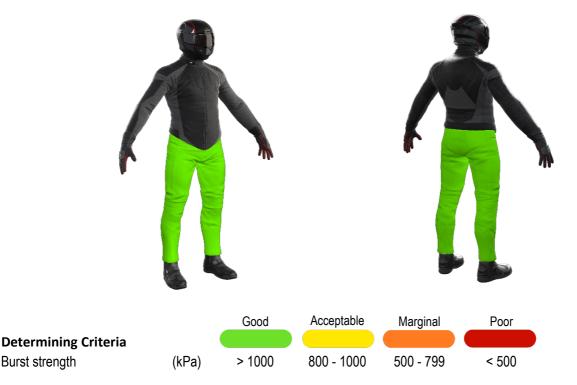


Burst Strength

The garment's burst strength was tested following the MotoCAP test protocols. 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 (kPA)						
Area	1	2	3	4	5	Average
Zones 1 & 2	1231	1934	1851	1934	1948	1780 G
Zone EZ	903	1939	1913	1913	1339	1601 G
Zones 3 & 4	1718	1370	1303	1527	1556	1495 G

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 above.



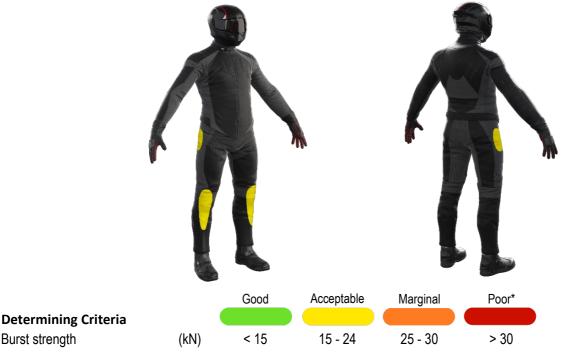


Impact Protection

The garment was tested for impact protection and coverage following the 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 Average force (kN)		Knee 15.7	A		Нір 16.8	A
Maximum force (kN) Coverage of zone 1 area Coverage of zone after d		18.6 100% 70%	A		18.6 150% 100%	A
Individual test results						
Impact force (kN)	Knee			Hip		
Strike location	Α	В	С	Α	В	С
Impact Protector 1	17.1	16.8	15	16.1	16.8	18.4
Impact Protector 2	15.2	15.1	16.8	17	17.7	18.6
Impact Protector 3	16	14.9	14.7	14.5	15.4	16.9

The diagram below is a visual indication of the likely impact performance of each impact protector calculated from the data in the table above.



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



Thermal comfort

The garment was tested for thermal comfort following the MotoCAP test protocols. The table below shows the moisture vapour resistance and the thermal resistance values obtained.

	1	2	Average
Moisture Vapour Resistance - R _{et}	33.1	29.1	31.1
(kPam²/W)			
	1	2	Average
Thermal Resistance - R _{ct}	0.269	0.238	0.253

Water spray and rain resistance

This garment has not been advertised as water resistant so has not been tested for water spray and rain resistance.

Assessment Details.	
Brand	Triumph
Model	Hero Riding
Туре	Pants - Denim
Date purchased	4 July 2018
Tested by	AMCAF, Deakin University
Garment test reference	P18D09
Rating first published	October 2018
Rating updated	1 October 2021