Testing of jeans in accordance EN13595-1:2002

Table 5 – Testing of motorcyclists' garment in accordance with EN 13595-1: 2002

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RESULT / COMMENT UoM RESULT / COMMENT CLAUSE / TEST REQUIREMENT (See note D) The performance level 5.1 General See note A marked on the garment and in the user information shall be determined by the lowest performance level achieved in testing according to 5.4, 5.5, and 5.6. The change in linear Samples subjected to 5 wash cycles in dimensions of the accordance with ISO 6330 Procedure (30 clothing material shall °C) not exceed ±3 % when cleaned 5 Dimensional Change Length: 2.3 % times and tested in accordance with EN Dimensional Change Width: 0.8 % 340. Minimum tear strength shall be 100 N 5.2 Tear strength Yellow aramid Mean Tear Strength (N) Specimen (Leather), or 70 N (Non-leather) EN 1621-1: 1997 impact protector present 5.3 Impact energy Protectors shall be absorption present in zone 1 at hip and knee The location and N/A fixation of these protectors shall meet the requirements of 7.2 Sample construction: Blue denim, Yellow 5.4 Abrasion See table 2 resistance aramid, Mesh, Black lining Relative Abrasion Time (s) Specimen

EN 13595-1: 2002 CLAUSE / TEST	È È 3595-1: 2002 REQUIREMENT	RESULT / COMMENT	
5.5 Impact cut resistance	See table 3	Sample construction: Blue denim, Yellow aramid, White Mesh, B Black lining Knife Speed: 2.8 m / s	
5.6 Burst strength	See table 4	Jean seams three rows with under stitch	
	123 A 1 1623 1 203 A 1 1623 1		
5.7 Dye fastness	Change in colour shall not be worse than grey scale rating 3	See Note C	
5.8 pH of leather	pH shall be between 3.5 & 9.5. Difference figure shall be less than 0.7	See Note C	
EN 13595-1: 200 CLAUSE / TEST		RESULT / COMMENT	

The assessor shall be able to

Wearer Height: 178 cm

6 Fit & Ergonomics

Fit & Ergonomics  Off-Bike Activities Can the following be carried out without difficulty?:				
EN 13595-1: 2002 CLAUSE / TEST	EN 13595-1: 2002 REQUIREMENT	RESULT / COMMENT (5		
	Is it possible to put the garment on and to operate fasteners & adjusters with impediment; is it possible don boots?  Are all impact protectors correctly positioned (or adjustable) such that they correctly located to protect shoulders, elbows & foreat hips, knees & shins whilst causing discomfort or preventing adequate movement of the limbs?	The garment can be donned without any impediment and it is possible to don boots.  Impact protectors were correctly positioned irms,		
	Is the clothing free from a rough, sharp, or hard components, or other feat that might cause irritation that would make riding hazardous?  Is the garment either mad measure or labelled in accordance with EN 340?	The clothing was free from rough, sharp or hard components, sharp or hard components.  e-to- See note A		
	carry out the following activities whilst wearing the garment, with no discomform impediment to movement.  Pre-Donning Assessment	ort or		

	Crouching & picking up a small object	
	Riding actions and compatability with other items of PPE	
	following without difficulty?	All riding actions could be carried out.  The garment was free from tightness and was considered satisfactory
	Sit astride the motorcycle and adopt a riding position	
APA A	Give right & left turn signals fully extending your arms Is it possible to perform the following without difficulty?	
7.60/1/1	Whilst holding both handlebar grips, turn the head to look to the rear	
01/2 00	Is the clothing free from tightness around the back, legs	
EN 13595-1: 2002	(in particular the knees), hips, crutch, thighs, shins, and the ankles  EN 13595-1: 2002	DECILI T. COMMENT
EN 13595-1: 2002 CLAUSE / TEST 7.1 Clothing restraint	entich, thighs, shins, and the ankles  EN 13595-1: 2002 REQUIREMENT	RESULT / COMMENT N/A

Arm sleeves shall not slide up the test cone more than 60 mm when the test force is applied

Ready-made garments shall have available adjustment to fit wrists 10 mm smaller and 10 mm greater in circumference

Trouser ankles shall not slide up the test cone more than 100 mm when the test load is applied not on the ankle but on the knees

Ready-made garments shall have available adjustment to fit ankles 10 mm smaller and 10 mm greater in circumference than the test cone for pants that are worn inside or outside the

than the test cone

motorcycle boots

N/A

N/A

See note E

Walking on the flat at a speed of

2 m/s ± 1 m/s

Stair climbing

Bending forward 90°

EN 13595-1: 2002 EN 13595-1: 2002 CLAUSE / TEST REQUIREMENT		RESULT / COMMENT		UoM (See note D)	PASS /
7.2 Impact protector	Impact protectors shall not	Hip Protector		(occ note 2)	1 1 1 1 1 1 1 1 1
restraint	be displaced by more than	Direction	Displacement %		
	20 %	Up	^^	-	
		Down		100	
		Left		1/2 1 2/3	
	F 67 % 79	Right		9 6	
		Knee Protector			
		Direction	Displacement %		
	1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /	Up	Displacement /	1	
		Down	-		
		Left			
		Right			
			estro intere de la como es		
B Design & Zoning	Protectors to provide shock		protector present at		
	absorption to EN 1621-1	hip and knee			
	shall be present in Zone 1.				
	All stitched structural seams				
		All etiches in zenes	1 2 9 2 hours at least		
	in Zones 1, 2, & 3 shall have at least one row of stitches		1, 2 & 3 have at least		
	that is protected by at least a	least a layer of basi	that is protected by at		
	layer of basic material.	least a layer of basi	Ciliaterial		
	layer of basic material.			1000	
	Slide fasteners, if present,	Slide fasteners are	mounted below outer	1000	
	shall be mounted below the		layer of fabric behind	B. J. S. J.	
	outer surface of the garment	them.	layer of lablic belling	3.74	
	and shall have a layer of	u lom.			
	leather or fabric behind	55 3 V/S		234	
	them.	122		The same of the sa	
	and the	1/			
	The lining shall not be	7. 1.		1. 1/4	
	attached to, but shall slide	Lining is not connec	cted to the outer shell	-	
	freely against the outer shell		e seam within zone 2		
	of the clothing in Zones 1 &	are material at the		The second	
	2.	and the same		Marie M.	
	The total area of materials	No reduced Zone 0	matadal	- x 0. x	
	The total area of materials	No reduced Zone 3	material	2621	
	and constructions present in			127	
	Zone 3 to provide elasticity	1000		1300	
	or ventilation but which only	A STATE OF THE STA		11811	
	meet Zone 4 requirements	A COLUMN TO THE REAL PROPERTY OF THE PARTY O		N N	
	shall not exceed 30 cm2 in	003		1	
	any single area and 50 cm2	1 1/2		1 1/2-0	
	total area in a jacket or	37 637			
	trousers or 100 cm2 total	The Bally		MI S	
	area in a suit.	A Di Y		The state of the s	
	The length of free end	() in ( (d)		90 V	
	The state of the s				

The state of the s	trousers or 100 cm2 total area in a suit.	May Willey Willy	1000	1 6 /20
	The length of free end projections on the outer surface of the clothing shall be less than 50 mm.	No free hanging projections	WE 50	EN 20
EN 13595-1: 2002 CLAUSE / TEST	EN 13595-1: 2002 REQUIREMENT	RESULT / COMMENT	UoM (See note D)	PASS / FAIL
9 Marking and information to be supplied	All user information and marking shall contain the minimum information requirements specified by this standard	Not Assessed	N/A	See Note A
10 Pictogram	The pictogram shall be in	Not Assessed	A Second	See Note A

## detailed in this standard ADDITIONAL INFORMATION / NOTES

Table 5 – Additional uncertainty of measurement information (see note D)

CLAUSE / TEST	TEST / COMPONENT	UoM (see note D)	
4.13 Impact energy	Impact energy		
attenuation	Transmitted force		W.