		Ma	arks	& Sp	pencer			
METHOD OF TEST								
<b>TENSILE S</b>	STR	EN	GTH	I OF	<b>BRAWIRE CASING</b>			
PURPOSE	To a	assess the tensile strength of bra wire casing fabric.						
APPARATUS	1.	that	onstant rate of traverse tensile testing instrument meets the following requirements (see ipment Index Ref: 13U, 16A, 18A and 24D).					
		(a)	Load	d cell wi	vith 50kg capacity.			
		(b)	100n	nm per	r minute constant rate of traverse.			
		(c)	of ru wher	ibber jav 1 closed	ally operated sample jaw with a pair aw faces that give an area of contact d together of 75mm x 25mm. The th to be vertical.			
		(d)	pron Equi	g in suc pment	w assembly, designed to hold a uch a way that (f) can be met. (See Index Ref. 16E or suitable that meets the same specification).			
		(e)	Stan	dard pr	rong (see note 1).			
		(f)		-	ration between the pneumatic jaw ip of the prong of 75mm.			
	either or		Autographic load/extension chart recorder compatible with these requirements and the testing instruments. A computer with Marks and Spencer approved					
				vare and	id printer may be used.			
	2.	Meta	al ruler	r with m	nm graduations (see test method PG).			
TEST SPECIMEN	Six s	specin	pecimens of bra casing fabric, 300mm long.					
	Tub	ular		casing point, Cut av	one end, slit the reverse of the g down the centre to the midway taking care not to damage the face. way approximately 30mm of casing s point.			
	Ope	oen Width		If lining tape is to to be used in the garment, the Garment Manufacturer should test the composite casing and lining tape, as manufactured in production.				
	with	<b>NB</b> : Face is referring to the side of the tape in contact with the skin. Reverse is referring to the side of the tape in contact with the bra.						
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	CONDITIONING				
		The equipment must be sited in this atmosphere.			
		Carry out the tests in this atmosphere.			
		<b>WET TEST</b> (if specified) Soak the fabric specimens in a relaxed (open) state for 15 minutes in distilled water at 20°C. Blot off excess moisure with a paper towel and test whilst wet.			
	METHOD	1.	Ensure that the testing equipment is set up exactly as described under 'Apparatus' above and calibrated according to the manufacturers instructions.		
		2.	Position the specimen so that the area of the specimen, which has been cut away, is over the end of the prong.		
		3.	Secure the two ends of the specimen in the pneumatic jaw. The specimen should be positioned centrally and vertically ensuring that no tension is applied.		
		4.	Set the machine in motion and measure the load required to penetrate through the face area of the specimen (see Note 2).		
			Repeat this procedure for the remaining five specimens.		
	RESULTS	1.	Report the range of results.		
		2.	Report the average result to the nearest 0.5kg.		

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NOTES 1. Standard Prong specification. Diameter at point: 2.6mm Protruding Length: 15mm The radium of the tip and the adjace	cent diameter is
polished to 0.1mm Ra (micrometer average).	s Roughness
2. If a specimen slips through the jaws discarded and a fresh specimen test occurs because the specimen has be incorrectly, or the jaws were incorre	eed. This usually een mounted

## **NEW METHOD OF TEST**

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