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Email:



Our Reference:  
FOI2020/09842  
Date:  
22 September  
2020

Dear ,

Thank you for your email of 2 September 2020 requesting the following information:

***"Could you please provide me with a copy of UK/SC/3712: Manufacturing Specification for JUMPER, UTILITY"***

I am treating your correspondence as a request for information under the Freedom of Information Act 2000 (FOIA).

A search for the information has now been completed within the Ministry of Defence, and I can confirm that some information in scope of your request is held.

The information you have requested can be found enclosed with this letter.

Under Section 16 of the Act (Advice and Assistance) you may find it helpful to note that UK/SC/3712 Issue 18 was the last issue of the specification under that title. For future specifications for the Jumper, Utility, commencing 16 July 2012, it was re-named DC/MS/6800.

If you have any queries regarding the content of this letter, please contact this office in the first instance.

If you wish to complain about the handling of your request, or the content of this response, you can request an independent internal review by contacting the Information Rights Compliance team, Ground Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail [CIO-](mailto:CIO-)

Defence Equipment & Support

[FOI-IR@mod.gov.uk](mailto:FOI-IR@mod.gov.uk)). Please note that any request for an internal review should be made within 40 working days of the date of this response.

If you remain dissatisfied following an internal review, you may raise your complaint directly to the Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not normally investigate your case until the MOD internal review process has been completed. The Information Commissioner can be contacted at: Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website at <https://ico.org.uk/>.

Yours sincerely

A black rectangular redaction box covering the signature of the sender.

Defence Equipment and Support



**Technical Specification For  
JERSEY, MAN'S,  
Heavy, Round Neck**

**Defence Clothing (DC)**

PROPERTY OF  
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TABLE 1 – PRODUCT LIST

Item Name	JERSEY, MAN'S, HEAVY, ROUND NECK		
Development File No.	D/DCIPT/CST/7/1/1/7 D/DCTA/P3652 (S&T)		
Product Support File No.			
NATO Stock Nos.	USER	COLOUR	Pattern No.
8405-99-736-0375 8405-99-132-2871 8405-99-132-1770 to 1773 8405-99-137-8592 and 8593 8405-99-602-7372 to 7374 8405-99-132-1991	Army	Olive	20104B
8405-99-212-4015 to 4023 8405-99-602-7375 to 7377	Royal Air Force	Blue-Grey	29245
8405-99-978-4409 to 4416 8405-99-602-7378 to 7380 8405-99-137-2074	Royal Navy	Navy Blue	21306

IPR STATEMENT

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~~Technical documents in this specification refer to the edition current at the date of tender or contract unless otherwise stated.~~

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TABLE 2 – ISSUE RECORD

Issue No	Comments	Issue Date
18	<p>Jersey, Man's, Heavy, Round Neck, RAF, NSN: 8405-99-212-4015 to 4023 and NSN: 8405-99-602-7375 to 7377 Pattern No. 29245 to UK/SC/3712 are obsolete and have been superseded by Jumper, Utility, Wool/Nylon V Neck, RAF, NSN: 8405-99-748-5128 to 5139, Pattern No. D01836 to DC/MS/6627 however all information related to Pattern No. 29245 left in specification for information only</p> <p>Correction to wool quality and fibre diameter in Table 4 now 64's</p> <p>Fibre content labelling clause added to labelling requirements</p> <p>Revision of shrinkage Table 9</p> <p>Update of DO NOT BLEACH icon in care instructions</p>	20 June 2012
17	<p>Removal of reference to IPT</p> <p>BS EN 25077 replaced by BS EN ISO 5077</p> <p>BS EN 12590 inserted in Related Specifications</p> <p>Page 7 correction to wool quality now 62's</p>	09 November 2010
16	<p>Def-Stan 05-65 replaced by UK/SC/6576.</p> <p>'Special measure' replaced by 'Outsize'</p>	24 March 2009
15	<p>Correction to NATO Stock No. Page 15: 978-4410 to 4416</p>	23 July 2007
14	<p>Wool quality amended to standardise in line with UK/SC/5429 and UK/SC/5450</p> <p>Shrink resistant finish wording amended</p> <p>Shrinkage amended to garment shrinkage from cloth sample shrinkage</p> <p>Care Label updated</p>	08 November 2006
13	<p>Reviewed and reformatted. Pattern numbers 27782A, 29307 and 28308 deleted as obsolete</p>	26 July 2005
12	<p>Related specifications and documents reviewed for SBO Cut &amp; Sew (Note: Later removed from this range)</p>	19 November 2002
11	<p>Provision of three additional sizes to cater for wearers up to 136cm chest girth</p>	29 October 2002
10	<p>Issue 10 reformatted and amendments from Issue 9 incorporated</p>	04 December 2001

PART 1

1. THE PRODUCT

Use of the Product: A heavy ribbed jersey worn by Army, RN and RAF personnel.

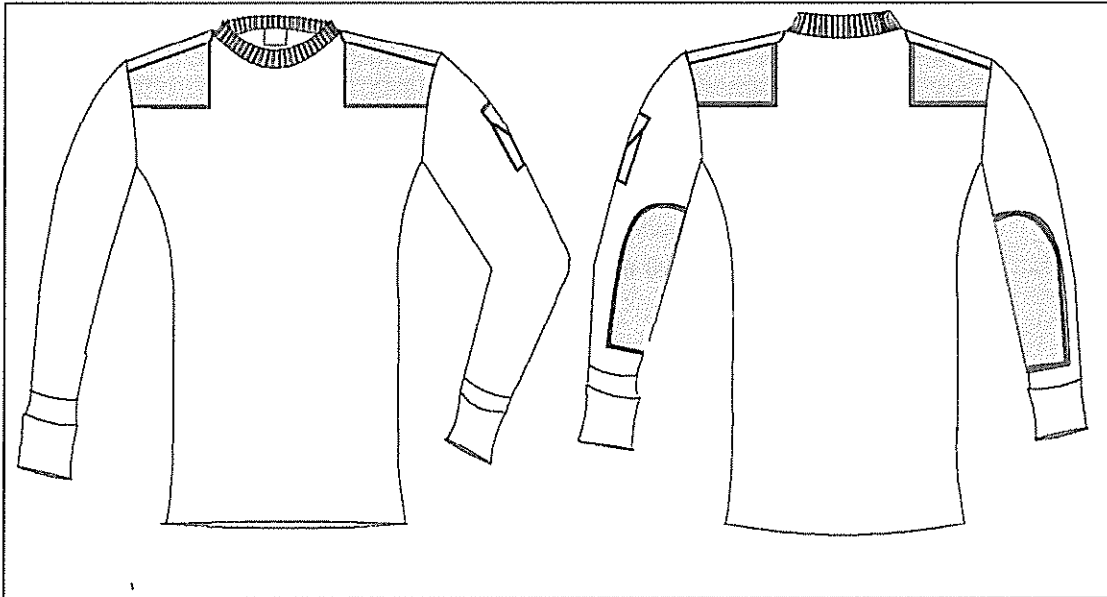


Figure 1 Pattern number 29245 Blue-Grey - with pen pocket

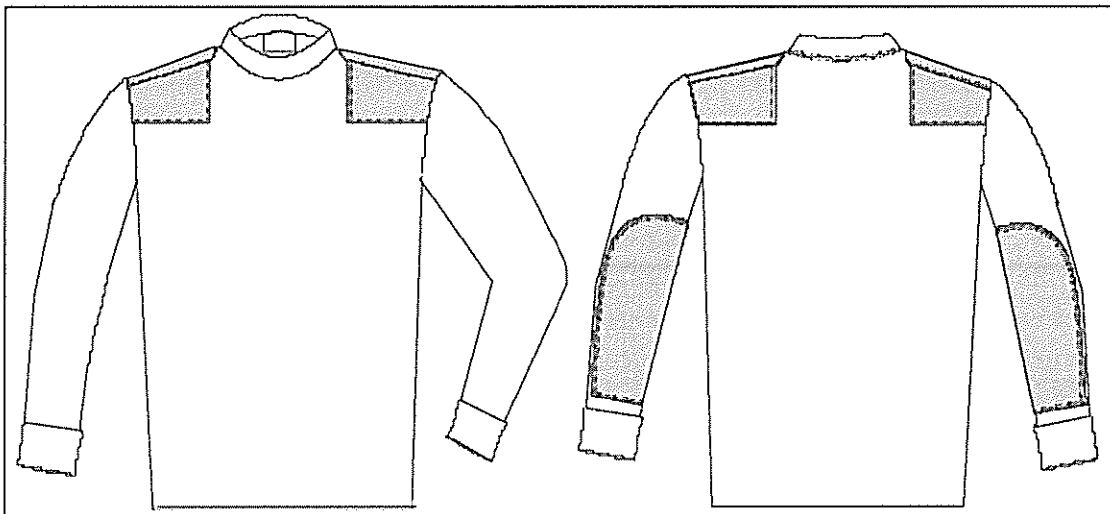


Figure 2 Pattern numbers 20104B Olive and 21306 Navy - no pen pocket

TABLE 3 – RELATED SPECIFICATIONS AND DOCUMENTS

Specification/Document	Detail
BS EN ISO 105 Part B02 Part C06 Part D01 Part E04 Part X12	Textiles. Tests for colour fastness Colour fastness to artificial light: Xenon arc fading lamp test Colour fastness to domestic and commercial laundering Colour fastness to dry cleaning Colour fastness to perspiration Colour fastness to rubbing
BS EN ISO 139	Textiles. Standard atmospheres for conditioning and testing
BS EN ISO 3758	Textiles. Care labelling code using symbols
BS EN ISO 3759	Textiles. Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change
BS EN ISO 5077	Textiles. Determination of dimensional change in washing and drying
BS EN ISO 6330	Textiles. Domestic washing and drying procedures for textile testing
BS EN ISO 12945 Part 1	Determination of fabric propensity to surface fuzzing and to pilling Pilling box method
BS EN ISO 12947 Part 2	Textiles. Determination of abrasion resistance of fabrics by the Martindale method Determination of specimen breakdown
BS EN ISO 13938 Part 1	Textiles. Bursting properties of fabrics Hydraulic method for determination of bursting strength and bursting distension
BS EN 12590	Textiles. Industrial sewing threads made wholly or partly from synthetic fibres
BS 3870 Parts 1 & 2	Stitches and seams
BS 4407	Methods for quantitative analysis of fibre mixtures
BS 5441	Method of test for knitted fabrics
BS 5742	Specification for textile labels requiring to be washed and or dry cleaned
BS 7141 Part 7	Narrow fabrics Specification for woven cotton tapes and webbings
DEF STAN 83-86	Touch and Close Fasteners
UK/SC/6576	Cloth, Twill, Polyester and Cotton, FS

## 2. PATTERNS

- a Master Patterns: DC holds a Master Pattern for this product. Potential contractors may view the pattern on site by arrangement with the DC Commercial Department.
- b Standard Patterns: A Standard Pattern may be obtained from the DC Technical Information Office and may be used to provide the criteria for all materials, components and manufacturing features not fully defined in this specification.



PART 2

3. PRODUCT DESIGN

Product Description: A rib knitted, round neck jersey with shoulder and sleeve reinforcement patches, and shoulder straps. It has a straight body and set in sleeves. The RAF version has a pen pocket on the left arm.

TABLE 4 – PRODUCT COMPONENTS

4.1 Fibres	<input type="checkbox"/> Wool <ul style="list-style-type: none"> <li>• Nominal 64's A quality with a micron fibre diameter of 20</li> <li>• To have a durable shrink resist treatment to allow machine washing (e.g. Total Easycare, machine washable)</li> </ul> <input type="checkbox"/> Nylon <ul style="list-style-type: none"> <li>• Staple nylon 6 or 6.6</li> </ul>
4.2 Knitting yarns	<input type="checkbox"/> An intimate blend of 80% wool and 20% nylon <input type="checkbox"/> At least two ends are to be folded together <input type="checkbox"/> Yarn shade to match the appropriate Standard Pattern garment
4.3 Knitted fabric	<input type="checkbox"/> To comply with Tables 9 and 10
4.4 Reinforcing fabric for sleeve & shoulder patches, shoulder strap and pen pocket	<input type="checkbox"/> Cloth, twill, polyester and cotton, FS to UK/SC/6576 <ul style="list-style-type: none"> <li>• Olive, Pattern No.8171E for olive jersey</li> <li>• Blue-Grey, Pattern No.8171W for blue-grey jersey</li> <li>• Navy, Pattern No.8171L for navy blue jersey</li> </ul>
4.5 Reinforcing tape	<input type="checkbox"/> Woven cotton tape, medium quality, 15mm wide to BS 7141 Part 7 CT2, or an alternative approved by DC <input type="checkbox"/> Shade to match jersey <input type="checkbox"/> Colour fastness to comply with Table 10
4.6 Fastener tape	<input type="checkbox"/> Hook and loop tapes to comply with Def Stan 83-86 <input type="checkbox"/> 30mm wide for shoulder strap fastening <input type="checkbox"/> 20mm wide for pen pocket fastening <input type="checkbox"/> Shade to match the reinforcing fabric <input type="checkbox"/> Selvedge's are to be finished/sealed to prevent fraying <input type="checkbox"/> Colour fastness to comply with Table 10

TABLE 4 – PRODUCT COMPONENTS continued

4.7 Label	<input type="checkbox"/> Fabric, white, marking and attachment to comply with the requirements of BS 5742 Paragraph 3
4.8 Sewing thread	<input type="checkbox"/> Polyester /cotton core spun, to BS EN 12590 Metric Ticket No. 75 (minimum) <input type="checkbox"/> Shade is to match the main material <input type="checkbox"/> Alternative threads may be approved by DC

TABLE 5 – PRODUCT CONSTRUCTION

5.1 Stitches and Seams to BS3870	<ul style="list-style-type: none"> <li>• 506 or 507 is used for all seams, incorporating woollen yarn looper thread, and having 4 stitches per cm (min) and a bight of 5mm</li> <li>• 402 used for seam cover</li> <li>• 301 Twin needle lockstitch and all other stitching and is to have 4 stitches per cm (min) and a bight of 5mm</li> <li>• Bar tack, cuff end and welt</li> </ul> <p>Alternative forms of garment seaming may be approved by DC</p>
5.2 Knitting - General	<input type="checkbox"/> The same yarn (as 4.2) is to be used throughout <input type="checkbox"/> Knitting is to be even and regular using yarn length per stitch as in Table 9 <input type="checkbox"/> To be knitted from 2 x 2 rib construction throughout <input type="checkbox"/> To have a straight body and set-in sleeves so that there is a similar number of ribs across the width at the chest and at the bottom welt <input type="checkbox"/> Sizes to comply with Table 8 <input type="checkbox"/> Outsize <ul style="list-style-type: none"> <li>• To be made to the wearer's measurements which will be supplied</li> <li>• Table 8 to be used as a guide for the allowance over the chest measurement and any measurements not supplied</li> </ul>
5.2.1 Extension	<input type="checkbox"/> When stretched by hand the welt, body (15cm below the armpit), cuffs and neck are to extend without damage to the width given in Table 8

TABLE 5 – PRODUCT CONSTRUCTION continued

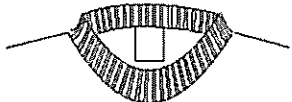
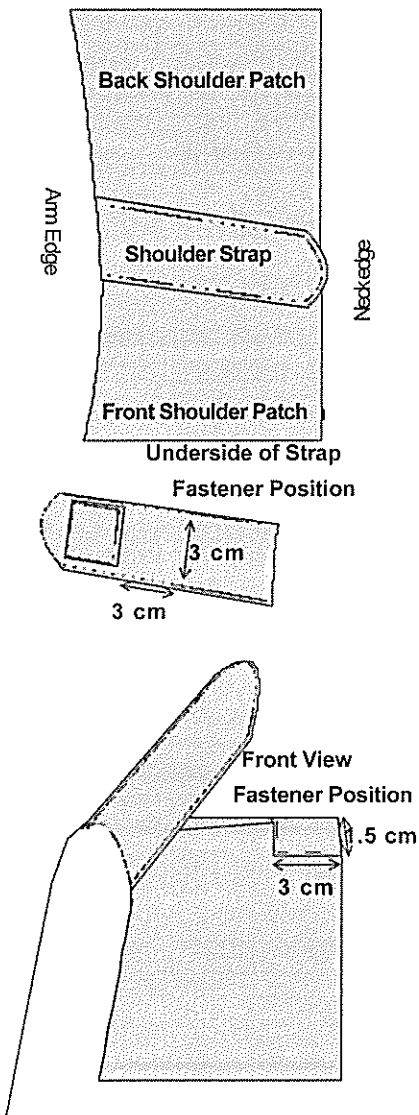
<p>5.2.2 Sleeves</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> To be shaped as the Standard Pattern between the elbow and cuff</li> <li><input type="checkbox"/> Positioned to lie naturally at an underarm angle of 80-85° to the body when laid out for inspection on a flat surface</li> <li><input type="checkbox"/> Set-in to be curved at the lower arm (approx radius 6cm)</li> <li><input type="checkbox"/> Knitted to the same stiffness as the body</li> </ul>
<p>5.2.3 Body Welt, Neck and Cuffs</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> To be knitted in 2 x 2 rib</li> <li><input type="checkbox"/> To have neat and secure edges</li> <li><input type="checkbox"/> Welt, neck and cuff depth to be as Table 8</li> <li><input type="checkbox"/> No elastane to be used</li> </ul>
<p>5.3 Side Seams</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Ends to be pulled back within the seam and securely bar tacked</li> <li><input type="checkbox"/> If automatic pull back of seam is used for 4cm (min) the bar tack may be omitted</li> </ul>
<p>5.4 Shoulder and Armhole Seams</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> To be reinforced with 15mm woven tape, as on the Standard Pattern</li> <li><input type="checkbox"/> Shoulder stitched with seam type 506 or 507</li> </ul>
<p>5.5 Neck</p> 	<ul style="list-style-type: none"> <li><input type="checkbox"/> Rib is to be folded to form a double neck band</li> <li><input type="checkbox"/> Attach by linking or an alternative approved by DC</li> <li><input type="checkbox"/> Join neck rib by over edging</li> <li><input type="checkbox"/> Using a wool cover thread, strengthen shoulders and back neck with seam cover, type 402</li> </ul>
<p>5.6.1 Reinforcement Patches – General</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Patches on the sleeves and shoulders</li> <li><input type="checkbox"/> To be made from reinforcing fabric (as 4.4)</li> <li><input type="checkbox"/> All stitching to be lockstitch type 301</li> <li><input type="checkbox"/> The raw edges are to be neatly turned in using lockstitch</li> <li><input type="checkbox"/> Secured down by two rows of stitching</li> <li><input type="checkbox"/> The body and sleeves to be in a relaxed, unstretched condition at time of attaching</li> </ul>

TABLE 5 – PRODUCT CONSTRUCTION continued

5.6.2 Shoulder Patch, Strap & Fastening



- **PATCH**
  - Each patch is to be made from single ply fabric
  - A rectangle of length
    - For sizes up to 88cm - 22cm
    - For sizes 94cm and above - 26cm
  - Width
    - To be as wide as shoulder seam, to within 1cm of neck edge
- **STRAP**
  - Each strap is to be made from 2 plies of fabric, sewn together with edges turned in and edge stitched
  - Dimensions
    - Length - to be no more than 1cm longer than the width of the patch
    - Width
      - 5cm at sleeve head
      - 4.5cm at neck edge
  - The strap is to lie centrally across the shoulder when fastened
- **FASTENERS**
  - Hook tape, 30mm x 30mm, is to be sewn at the neck edge of the shoulder patch
  - Loop tape 30mm x 30mm, is to be sewn, in register with hook tape, at the free end of the strap
  - For size 94cm and above:
    - There is to be at least 10cm of clear strap between the sleeve seam and the edge of the fastener tape
  - On sizes up to 88cm:
    - There is to be at least 9cm of clear strap between the sleeve seam and the edge of the fastener tape
    - The loop tape may have to be reduced to 15mm long to allow for this

TABLE 5 – PRODUCT CONSTRUCTION continued

5.6.3 Shoulder Attachment	Patch  Shoulder Strap	<input type="checkbox"/> To be positioned centrally over the shoulder seam <input type="checkbox"/> Front, back and neck patch edges are to be secured by twin needle lock stitching using 4 stitches/cm of seam (min)						
	Shoulder Patch	<input type="checkbox"/> Sleeve edge of patch and strap are to be sewn into the armhole seam						
5.7 Elbow	Patches    Reinforced Sleeve Patch Position	<input type="checkbox"/> To be sewn on each sleeve <input type="checkbox"/> To be within 1cm of the turned back ribbed cuff <input type="checkbox"/> To be the same shape and position as on the Standard Pattern <input type="checkbox"/> Patch edge is to be as close as possible to the sleeve seam						
		Graded Measurements						
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Size</th> <th style="width: 50%;">Elbow Patch</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">74-82</td> <td style="text-align: center;">Bottom to cover 7 ribs Top to cover 10 ribs</td> </tr> <tr> <td style="text-align: center;">88-94 100-118 124-136</td> <td style="text-align: center;">Bottom to cover 8 rib Top to cover 13 ribs</td> </tr> </tbody> </table>	Size	Elbow Patch	74-82	Bottom to cover 7 ribs Top to cover 10 ribs	88-94 100-118 124-136	Bottom to cover 8 rib Top to cover 13 ribs
Size	Elbow Patch							
74-82	Bottom to cover 7 ribs Top to cover 10 ribs							
88-94 100-118 124-136	Bottom to cover 8 rib Top to cover 13 ribs							

TABLE 5 – PRODUCT CONSTRUCTION continued

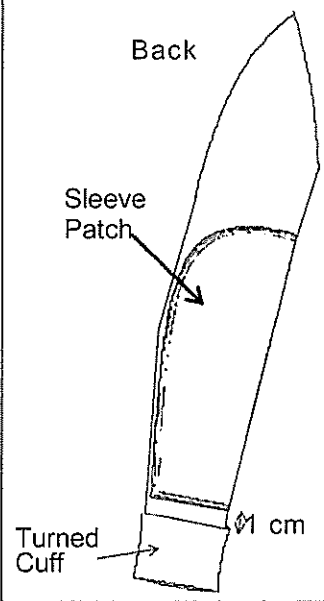
<p>5.8 Sleeve Cuff Seams</p>  <p>Back</p> <p>Sleeve Patch</p> <p>Turned Cuff</p> <p>1 cm</p>	<ul style="list-style-type: none"><li>• The sleeve seam is to be reversed to the outside for 12 to 14cm of the cuff to allow a neat appearance when the cuff is turned back</li><li>• The cuff region of the sleeve seam is to be additionally seam covered using a wool cover thread, type 402</li><li>• Bar tack each cuff end</li></ul>
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TABLE 5 – PRODUCT CONSTRUCTION continued

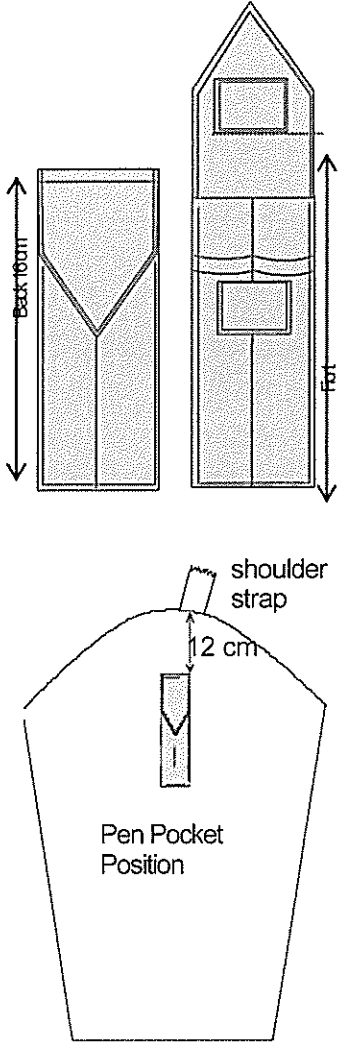
<p>5.9 Pen Pocket &amp; Fastener</p> 	<ul style="list-style-type: none"> <li>• <u>FOR PATTERN NUMBER 29245 ONLY</u></li> <li>• <u>All stitching to be lockstitch, type 301</u></li> <li>• <u>Pocket body</u></li> <li>• To be made from 2 single plies of reinforcing fabric</li> <li>• Back- Length <math>16 \pm 0.5</math> cm, Width <math>6 \pm 0.5</math>cm</li> <li>• Front - Length <math>12.5 \pm 0.5</math>cm, Width <math>6 \pm 0.5</math> wide cm</li> <li>• Front is to align with the back at the base edge</li> <li>• Hook tape, 20mm x 20mm is to be attached to the front layer of the pocket sewn centrally across the pocket width and 15mm down from pocket opening</li> <li>• There is to be a additional row of lock stitching through both fabric layers, centrally along the length of the pocket to form 2 channels</li> <li>• The pocket front is to be attached simultaneously with the backing, edges are to be neatly turned in and secured</li> <li>• <u>Pocket Flap</u></li> <li>• To be made from two plies sewn together with edges turned and edge stitched</li> <li>• Lower ply to have loop tape, 20mm x 20mm, sewn in register with hook tape, at the free end of the strap</li> <li>• Is to be V shaped, measurements: 9cm long to the point of the V 6 cm long along the sides</li> <li>• To be attached to the upper end of the pen pocket by a single row of stitching</li> <li>• <u>Attachment</u></li> <li>• Sewn to the left sleeve as worn with lock stitch</li> <li>• Top edge of pocket flap to be 12cm down from sleeve head with the back edge of pocket in line with centre of shoulder strap</li> </ul>
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TABLE 6 – TESTING

6.1 General	<ul style="list-style-type: none"> <li><input type="checkbox"/> Samples are to be conditioned and tested in the standard temperate atmosphere for testing defined in BS EN ISO 139</li> <li><input type="checkbox"/> Measurements to comply with Table 8</li> </ul>
6.2 Dimensions	<ul style="list-style-type: none"> <li><input type="checkbox"/> Jerseys to be             <ul style="list-style-type: none"> <li>• laid flat on a smooth surface</li> <li>• measured without stretching</li> </ul> </li> </ul>
6.3 Sampling	<ul style="list-style-type: none"> <li><input type="checkbox"/> No batch to exceed 5000 quantity</li> <li><input type="checkbox"/> A sample is to represent each delivery batch</li> </ul>
6.4 Compliance Testing	<ul style="list-style-type: none"> <li><input type="checkbox"/> All samples to meet requirements specified in Tables 9 and 10</li> <li><input type="checkbox"/> Colour Fastness to Light:             <ul style="list-style-type: none"> <li>• if the first batch sample meets requirements, no further testing required provided the dye formulation stays the same</li> <li>• if the dye formulation is changed, light fastness is to be retested</li> </ul> </li> <li><input type="checkbox"/> Mass             <ul style="list-style-type: none"> <li>• The mass of goods on delivery is not to exceed the conditioned mass by more than 2%</li> <li>• A tolerance of <math>\pm 5\%</math> may be allowed on the conditioned mass for individual garments but the average is to be as Table 8</li> </ul> </li> <li><input type="checkbox"/> If a sample does not meet any requirement, 2 further samples from two different pieces in the same batch are to be tested</li> <li><input type="checkbox"/> If either re-test samples does not meet all requirements, the whole batch is to be rejected</li> <li><input type="checkbox"/> If both re-test samples meet all requirements, the batch can be accepted except for the piece from which the failed sample was taken</li> </ul>








4. LABELLING REQUIREMENTS

- Identification/care instruction label to BS 5742 Paragraph 3 and BS EN ISO 3758
- Composite label is to be used
- The main material fibre content is to be added to the identification label.
- Position: Attached at the centre of the back of the neck so that it is not seen in wear.
- Information and format is to be as follows:
- For stock sizes: Item name, NATO stock number, size, contract number, indication of position for wearer's name, number and fibre content: The size number is to be 0.6cm high
- For Outsize garments: Item name, NATO stock number, wearer's name, number and chest size (in cm), contract number and fibre content

TABLE 7 – SPECIMEN LABELS

<u>Stock Items</u>	<u>Outsize</u>
<p>JERSEY, MAN'S, Heavy, Olive, Round Neck NSN: 8405-99-132-1772 Size: 100cm Contract No: Name: No: <i>(Fibre content to be added here)</i></p>	<p>JERSEY, MAN'S, Heavy, Olive, Round Neck NSN: 8405-99-132-1991 Chest: Contract No: Name: No: <i>(Fibre content to be added here)</i></p>

CARE LABEL TO BS EN ISO 3758

FASTEN SHOULDER STRAPS BEFORE WASHING OR DRY CLEANING	
	Wash as wool DO NOT WRING
	DO NOT BLEACH
	DO NOT TUMBLE DRY
	Warm iron
	Can be dry cleaned
FLAT OR LINE DRY Reshape when wet, if needed	

NATO Stock Numbers and Size

Size	NATO Stock Number		
	Pattern No 20104B (Olive)	Pattern No 29245 (Blue-Grey)	Pattern No 21306 (Navy)
	8405-99-	8405-99-	8405-99-
74	736-0375	212-4015	978-4409
82	132-2871	212-4016	978-4410
88	132-1770	212-4017	978-4411
94	132-1771	212-4018	978-4412
100	132-1772	212-4019	978-4413
106	132-1773	212-4020	978-4414
112	137-8592	212-4021	978-4415
118	137-8593	212-4022	978-4416
124	602-7372	602-7375	602-7378
130	602-7373	602-7376	602-7379
136	602-7374	602-7377	602-7380
Outsize	132-1991	212-4023	137-2074

TABLE 8 -- SIZE SCHEDULE

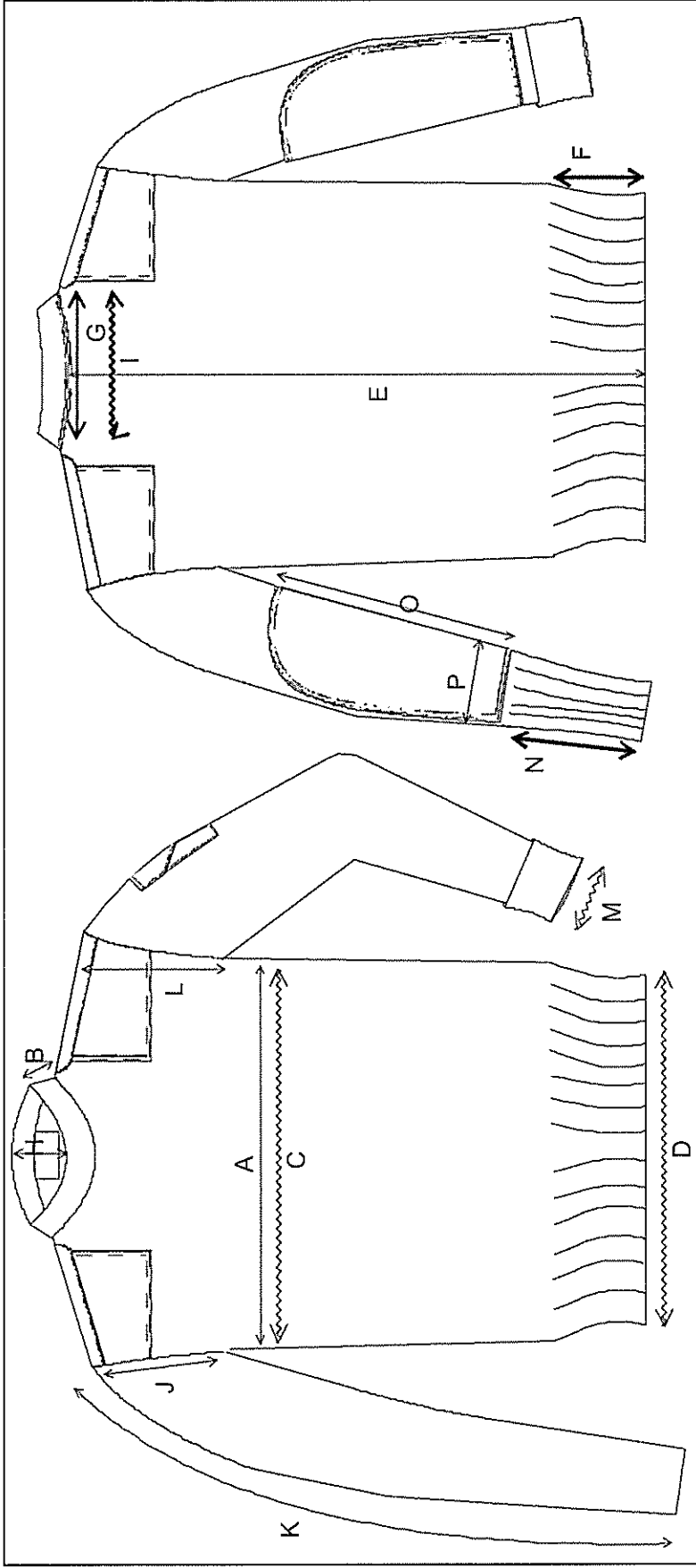


TABLE 8 – SIZE SCHEDULE continued

Dimensions are in cm unless otherwise stated. Mass in kg

MEASUREMENTS OF GARMENT																
Wearer's Chest Size	Neck Rib Depth	Body Width Stretched Minimum	Welt Width Stretched Minimum	Back Length To bottom edge	Welt Depth	Back Neck width at Shoulder points	Neck depth	Back Neck width at Shoulder Points Stretched	Sleeve At armhole Min number of ribs into sleeve	Sleeve length over arm from shoulder finished cuff edge	Arm-hole depth	Cuff width Stretched	Cuff length	Sleeve Patch Length	Sleeve Patch Width at Cuff	Mass per 10 garments (kg)
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
74	35.5	3.0	66	48	6-8	17	4	28	26	54	21	13	13	25	8	4.4
82	37	3.0	74	56	6-8	17	6	28	28	56	22	13	13	25	8	5
88	38.5	3.0	80	64	8-10	17	6	28	31	58	25	14	15	28	10	5.7
94	40.5	3.0	86	68	8-10	18	6	33	31	60	25	15	15	28	10	6
100	42	3.0	90	74	8-10	18	6	33	34	64	26	15	17	28	10	6.6
106	44	3.0	96	80	8-10	20	7	33	34	64	26	17	17	28	10	7
112	47	3.0	102	86	8-10	20	7	33	36	66	28	17	17	28	10	7.4
118	49	3.0	108	92	8-10	21	8	33	36	66	28	17	17	28	10	7.8
124	51	3.0	114	98	8-10	21	8	33	38	68	30	18	18	28	10	8.2
130	53	3.0	120	104	8-10	21	8	33	38	68	30	18	18	28	10	8.6
136	56	3.0	126	110	8-10	22	8	33	39	69	31	19	18	28	10	9

Outsize garments are to be made to the wearer's measurements to be supplied to the contractor. The schedule is then to be used as a guide for the allowance over the seam measure of the wearer and measurements not shown on the Outsize form.

**Tolerances**

**No tolerances are provided for the jerseys as, due to the elasticity of the knitted structure, no meaningful % can be specified.**

TABLE 9 – PHYSICAL REQUIREMENTS

		METHOD OF TEST									
BS 4407		BS 5441		BS EN ISO 5077		BS EN ISO 13938-1	BS EN ISO 12947-2	BS EN 12945-1			
Yarn Composition		Fabric Structure		Fabric Construction		Dimensional Stability of Garment (1) After 5 wash/dry cycle to BS EN ISO 6330 Process 7A Procedure A		Bursting Strength	Abrasion resistance Using 9 kPa pressure	Resistance to Pilling 36,000 cycles after 5 wash/dry cycle to BS EN ISO 6330 Process 7A Procedure A	
%		Throughout		Stitches per 5cm		%		kPa	100,000 cycles	Rating	
				min		max		min	min	min	
				Body		Length		Width			
wool		Courses		Wales		Courses					
80		25		19		30		24	800	No breakdown	2
nylon		2 x 2 Rib		30		5		6	5		

(1) Measurement positions to be as 'Jacket-like garments' as given in BS EN ISO 3759

TABLE 10 – MINIMUM COLOUR FASTNESS REQUIREMENTS

METHOD OF TEST							
BS EN ISO 105							
B02	C06:A2S		D01		E04		X12
Light	Washing		Dry Cleaning		Perspiration Acid and Alkali		Rubbing Dry & Wet
	Change	Stain	Change	Stain	Change	Stain	Stain
5	4-5	4	4	4	4-5	4	4