

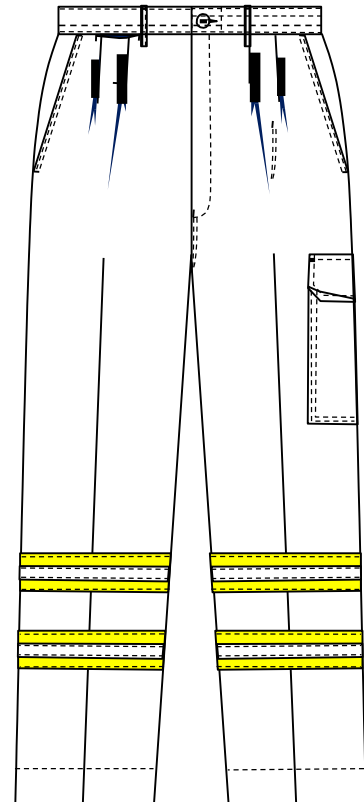
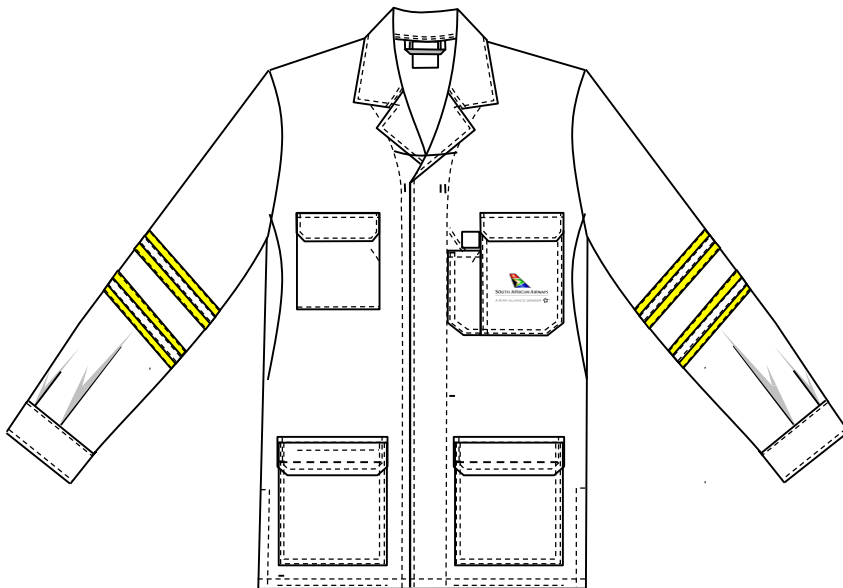
PRIVATE SPECIFICATION

Prepared for the



SOUTH AFRICAN AIRWAYS
TECHNICAL

DARK BLUE AND LIGHT BLUE COVERALL TOPS AND PANTS (FR & AR)



Item Numbers: TM16, TM17, TM18 & TM19

Document Number: SAA2009

Version 04.0/Aug 2019

1. Scope

This specification¹ covers the material, cut and make of two-piece coveralls for personnel of the South African Airways. The garment variations covered in this specification are as given in table 1:

Table 1 – Garment variations

	Clothing item	Item Number	Fabric requirement
1.1	Unisex coverall jacket, Dark Blue	TM16	Flame retardant or Acid resistant as specified in the order or contract
1.2	Unisex coverall jacket, Light Blue	TM17	
1.3	Men's coverall trousers, Dark Blue	TM18	
1.4	Men' coverall trousers, Light Blue	TM19	

2. Definitions and Abbreviations

For the purpose of this specification the definitions given in SANS 10371 "Terms and definitions for clothing" and the following shall apply:

acceptable: acceptable to the South African Airways

nominal: subject to the tolerances normal to good manufacturing practice

SANS: South African National Standard

3. Style

The style is as follows:

SUITS:

- ♦ supplied in two colours, i.e. dark blue and/or light blue (as given in the order or contract)
- ♦ jackets and trousers to be ordered as separates
- ♦ unisex styling
- ♦ each garment fitted with an identifying label (either FR or AR)
- ♦ supplied in two types of fabrics

JACKET:

- ♦ single breasted
- ♦ to fasten with buttons and buttonholes that are concealed by a fly
- ♦ sports-type collar (glad-neck)
- ♦ two breast pockets with flaps

¹ This private specification has been compiled by National Private Specifications (Pty) Ltd. privatespecs@vodamail.co.za

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	2 of 45

- left breast pocket to have an adjacent pen pocket
- left breast pocket to incorporate embroidery of the SAA logo
- ◆ two side patch pockets with flaps
- ◆ front facings
- ◆ one-piece set-in sleeves
 - sleeves to be long with a bound hind-arm opening
 - to have cuffs that fasten with touch and close fastener
 - pleated at the cuff-to-sleeve seams
 - fitted with retro-reflective tape
- ◆ side slits
- ◆ back to be plain

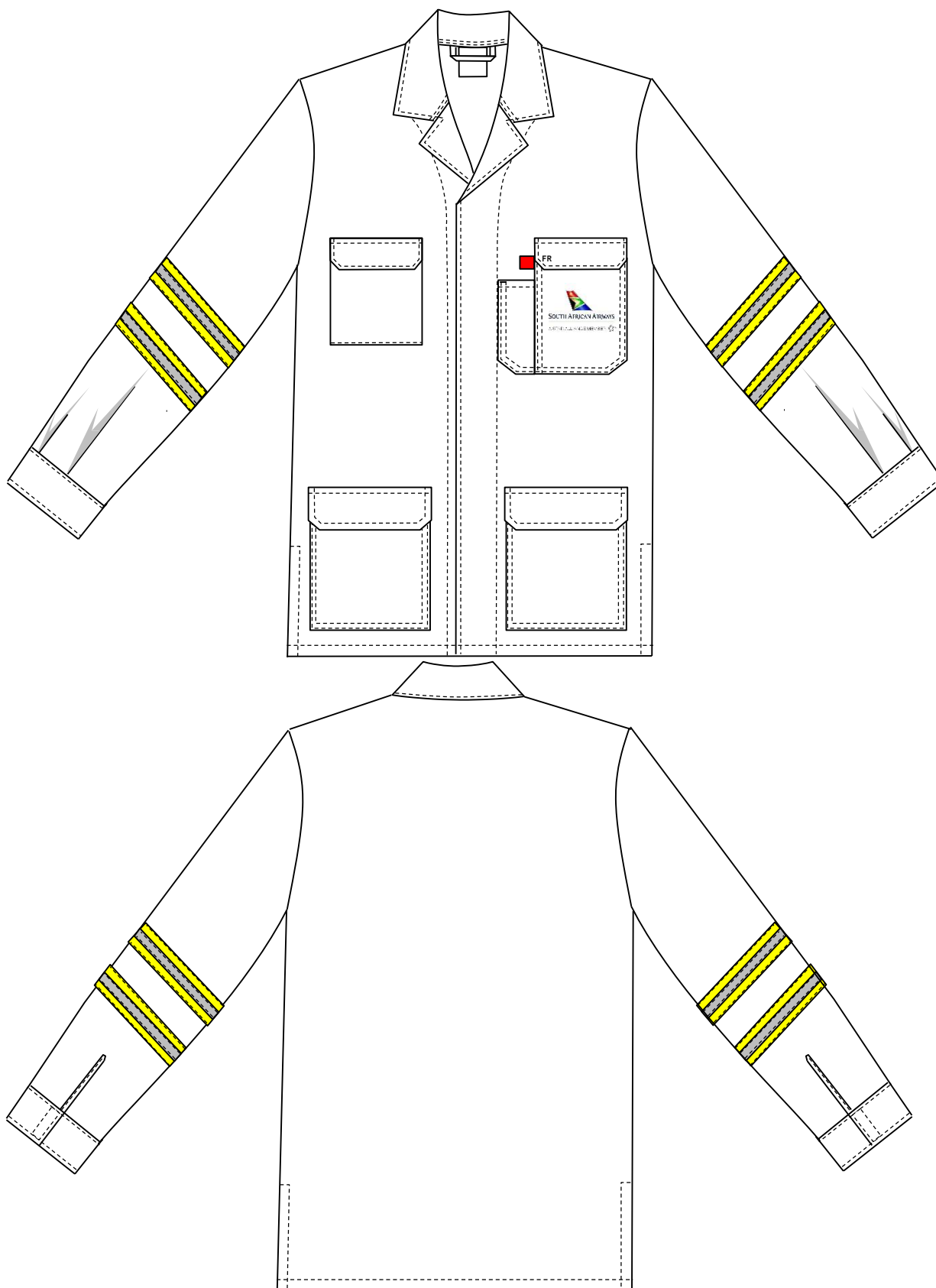
TROUSERS/SLACKS:

- ◆ pleated fronts
- ◆ a front fly opening
- ◆ two slanted side pockets
- ◆ one fob pocket
- ◆ left back panel to be fitted with a thigh pocket and tab
- ◆ right back panel to be fitted with a rule pocket and hip pocket
- ◆ legs to be fitted with retro-reflective tape
- ◆ separately cut waistband that is ruched with elastic webbing at the back
 - to fasten with a button and buttonhole
 - have belt loops
- ◆ plain bottom hems

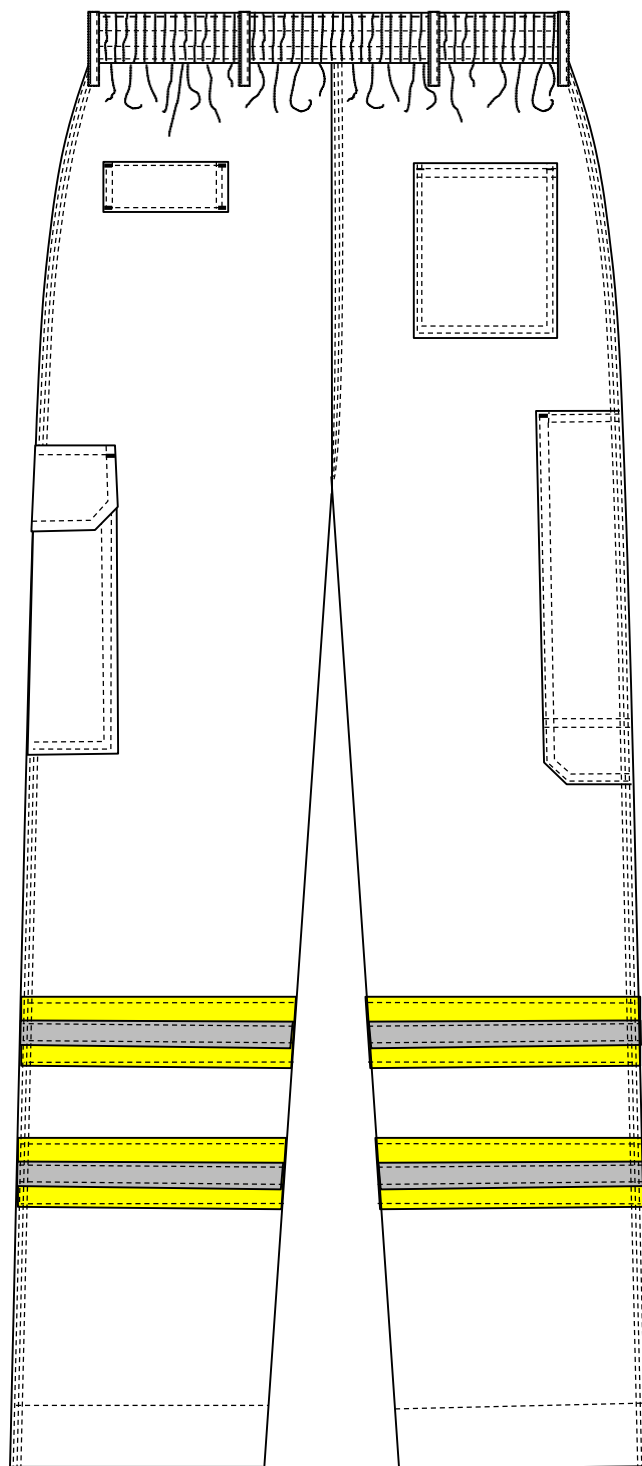
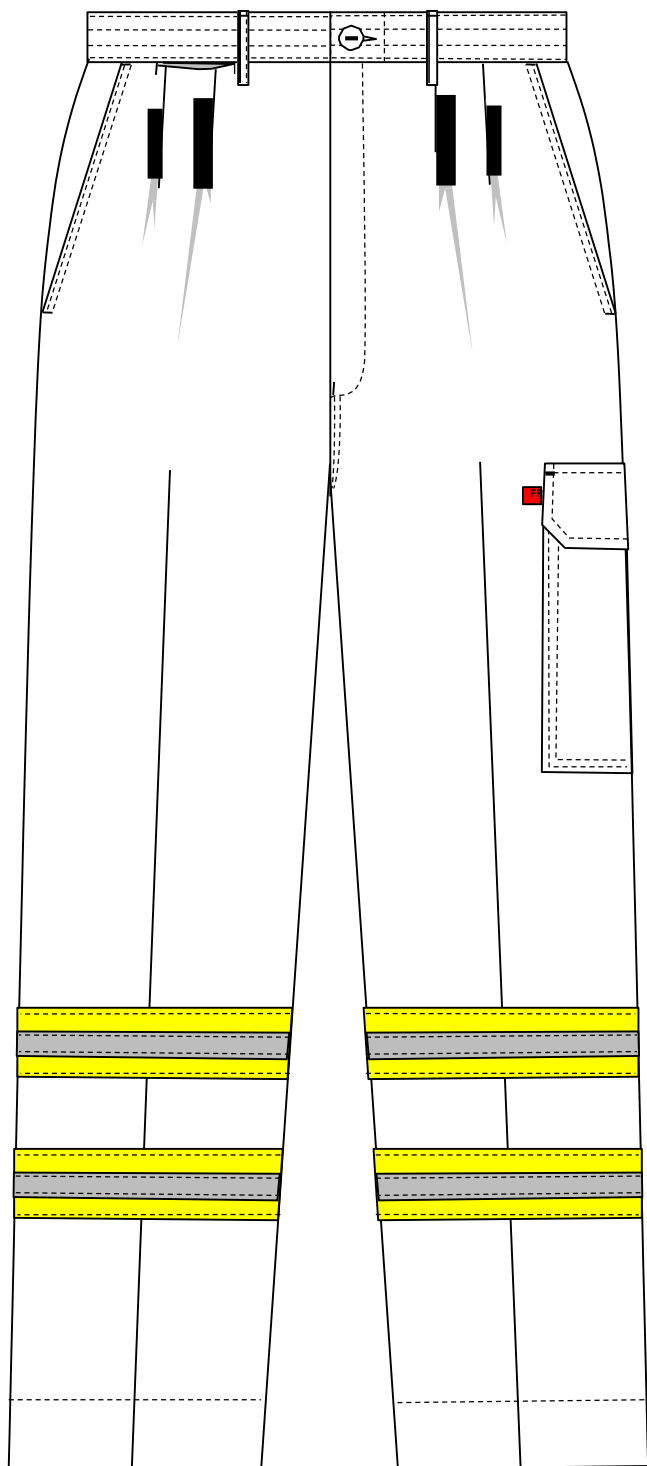
Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	3 of 45

4. Illustrations

Illustrations are not to scale and are for guidance only.



Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	4 of 45



5. Client Furnished Materials

No material will be supplied by the South African Airways.

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	5 of 45

6. Component Materials

The following materials shall be supplied and used by the manufacturer. A trim chart containing the components as given below shall accompany each pre-production sample (see Annex A).

NOTE: All components listed below shall be manufactured in the Republic of South Africa. In instances where the raw material and/or finished components are not available in the Republic of South Africa, the onus shall be on the bidder to apply for exemption certificates from DTI. Exemption certificates, where relevant, shall be submitted together with each bid.

6.1 Outer Material

6.1.1 General

- ♦ the type of outer material required shall be specified in the tender or contract
 - if flame retardant garments are required, the outer material shall be as specified in 6.1.2
 - if garments with an acid resistant finish are required, the outer material shall be as specified in 6.1.3
- ♦ colour to be a match, in terms of SANS 10076-1 “The assessment of defects in textile piece-goods and made-up articles Part 1: Defects in woven piece-goods (cellulosic and cellulosic blends)”, to the CKS 129 colours as given in table 2 (as specified in the order or contract):

Table 2 – CKS 129 Colours

CKS 129 Colour Number	T
Pantone 289C, C100 M76 Y12 K70 / R12 G35 B64	SAA Dark Blue Workwear
Pantone 293C, C100 M69 Y0 K4 / R0 G61 B165	SAA Light Blue Workwear

6.1.2 TYPE 1: Flame retardant (FR) outer material

- ♦ when conditioned in accordance with SANS 70, it shall comply with the requirements as given in Table 3
- ♦ typical end-users: welders

6.1.3 TYPE 2: Acid resistant (AR) outer material

- ♦ when conditioned in accordance with SANS 70, it shall comply with the requirements for type D59 of SANS 1387-4 “Woven cotton and similar apparel fabrics – Part 4: Cotton jean and drill fabrics” as given in Table 4 (given for the convenience of the users of this private specification)
- ♦ to be treated with an acid resistant finish
 - Ruco-guard² is a typical example of a suitable product
 - manufacturer to submit a certificate of the relevant product used
- ♦ typical end-users: electroplating technicians and painters

² Ruco-Guard® is the trade name of a product supplied by the Rudolf Group™. This information is given for the convenience of users of this private specification and does not constitute an endorsement by the South African Airways of the product named. Equivalent products may be used if they can be shown to lead to the same results.

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	6 of 45

Table 3 – Type 1 outer material requirements (FR)

1	2	3
Property	Requirement	ISO number (unless otherwise indicated)
Fibre composition, %		
FR Modacrylic	55 ± 3	1833-1
Cotton	45 ± 3	1833-12
Weave	Plain	Visual examination and physical analysis
Nominal width, cm	148	SANS 81
Mass per area, g/m², min.	240	3801
Number of threads per cm, min.		7211-2
Warp	27	
Weft	18	
Tensile strength, N, min.		13934-1
Warp	650	
Weft	450	
Seam slippage at 5 cm, N, min.		13936-1
Warp	130	
Weft	130	
Dimensional changes washing at 40 °C, %, max.		SANS 11167
Warp	± 3.5	
Weft	± 3.5	
Abrasion resistance, Number of rubs, min.	10 000 No breaks	SANS 6009
Flammability, surface ignition		15025
As received and after 5 wash cycles ^a	No flaming to top or side edge No hole formation No flaming, melting or molten debris No afterflame No afterglow	
Colour fastness to:		
Washing, rating, min.		105-C10
Change in colour	4	test C(3)
Staining	4	
Perspiration, rating, min.		105-E04
Change in colour	4	
Staining	4	
Light, rating, min.	4	105-B02

^a Wash in accordance with SANS 11167. For pre-treatment cycles, use IEC detergent, washing procedure F4 or T4, Drying procedure A.

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16,TM17, TM18 & TM19	Sept 2019	04.0	7 of 45

Table 4 – Type 2 outer material

1	2	3
Property	Requirement	SANS number (unless otherwise indicated)
Fibre composition	All Cotton	AATCC method 20
Weave	4/1 Satin	Physical examination
Mass per area (free from non-fibrous material), g/m ² , min.	270	79
Number of threads per cm ^a		7211-2
Warp, min.	37	
Weft ^b	19	
Breaking strength , N, min.		13934-1
Warp	940	
Weft	510	
Removable non-fibrous material content , %, max.	7.5	5966
Dimensional changes on laundering , %, max.		960
Press dry (Warp and weft)	2	Washing procedure A
Tumble drying (warp and weft)	4	Drying procedure E
Colour fastness to:		Drying procedure F
Washing , rating, min.		1116: Procedure C
Change in colour	4	
Staining	3	
Light , rating, min.	4	105-B02
^a Recommended yarn linear densities (Tex): Warp – 42; Weft – 65. ^b Subject to a tolerance of –10 %.		

6.2 Slide fasteners

- ♦ to comply with the requirements of SANS 1822 “Slide fasteners”
- ♦ a typical example of a suitable product is supplied by YKK³
- ♦ metal slide fasteners
 - of intrinsically corrosion resistant brass metal with 85% copper and 15% zinc alloy content (other than nickel and aluminium)
 - brass metal shall not exceed 90 ppm of lead content
 - to comply with anti-nickel regulations of EN 1811 and EN 12472
- ♦ to comply with the requirements for performance class B slide fasteners
- ♦ one-way closed-end
- ♦ colour to be an acceptable match to the colour of the outer material

³ This information is given for the convenience of users of this private specification and does not constitute an endorsement by SAA of any products supplied by YKK. Equivalent products may be used if they can be shown to lead to the same results.

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	8 of 45

6.3 Reflective tape

6.3.1 General (applicable to all reflective tape)

- ♦ a high visibility retro-reflective fluorescent yellow tape with a centred silver stripe
- ♦ silver stripe to be of finished width 20 mm
- ♦ nominal width of tape to be 50 mm
- ♦ retro-reflective properties to comply with the relevant requirements for a class 2 retro-reflective material of SANS 50471 “High visibility warning clothing for professional use – test methods and requirements
- ♦ Scotchlite™⁴ is an example of a suitable reflective tape

6.3.2 Reflective tape on flame retardant (FR) garments

- ♦ to comply with the relevant requirements for performance class C, Category 1 of SANS 1423-1 “Performance requirements for textile fabrics of low flammability Part 1: Apparel fabrics”

6.4 Colour coded identification label

NOTE: *The purpose of this component is to distinguish between a flame retardant (FR) garment and a garment treated with an acid resistant finish.*

6.4.1 General

- ♦ an acceptable woven loop label with identifying capital letters
- ♦ of nominal finished width and length 12 mm (after being folded double)

6.4.2 Label on flame retardant garments

- ♦ to be used on garments made of type 1 outer material
- ♦ background of label to be RED with the letters “FR” in BLACK

6.4.3 Label on garments with an acid resistant finish

- ♦ to be used on garments made of type 2 outer material
- ♦ background of label to be BLACK with the letters “AR” in RED

6.5 Buttons

- ♦ two-hole plastics and nominal diameter of 17 mm
- ♦ to comply with the requirements of SANS 1457 “Plastics buttons”
- ♦ dope-dyed and fully impregnated
- ♦ colour to be an acceptable match to the colour of the outer material

6.6 Touch and close fastener

- ♦ to comply with the requirements of SANS 1823 “Touch and close fastener”

⁴ Scotchlite™ is the trade name of a product supplied by 3M™. This information is given for the convenience of users of this private specification and does not constitute an endorsement by the South African Airways of the product named. Equivalent products may be used if they can be shown to lead to the same results.

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	9 of 45

- ♦ of width 20 mm
- ♦ colour to be an acceptable match to the colour of the outer material

6.7 Embroidery thread

- ♦ 100% viscose machine embroidery thread and colours to be as given in table 8

6.8 Elastic webbing

- ♦ to comply with the requirements for type 1 of SANS 142 “Narrow elastic fabrics and strip”
- ♦ of nominal width 40 mm

6.9 Threads

6.9.1 General:

- ♦ to comply with relevant requirements of SANS 1362 “Sewing threads”
- ♦ colour to be an acceptable match to colour of the outer material

Overlocking thread:

- ♦ crimp-textured polyester
- ♦ ticket No. 140

6.9.2 If flame retardant (FR) coveralls are required:

Sewing thread and top-stitching thread:

- ♦ the sewing and top-stitching thread shall consist of 100% aramid fibres
- ♦ threads to be such that it shall outlast the garment

6.9.3 If coveralls with an acid resistant (AR) finish is required:

Sewing thread and top-stitching thread:

- ♦ thread that is fit for purpose that is acid resistant
- ♦ threads to be such that it shall outlast the garment

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	10 of 45

7. Workmanship

The coveralls shall be:

- ◆ cut and made with first-class workmanship throughout
- ◆ of uniform and acceptable make, colour and finish

Shall be free from:

- ◆ defects, that affect their appearance or may affect their serviceability (or both)
- ◆ marks, spots, stains, incurred in the making-up

Seams and stitches shall be:

- ◆ smooth and uniform
- ◆ free from twists, pleats and puckers
- ◆ sufficiently extensible to avoid seam cracking and undue shrinkage in use

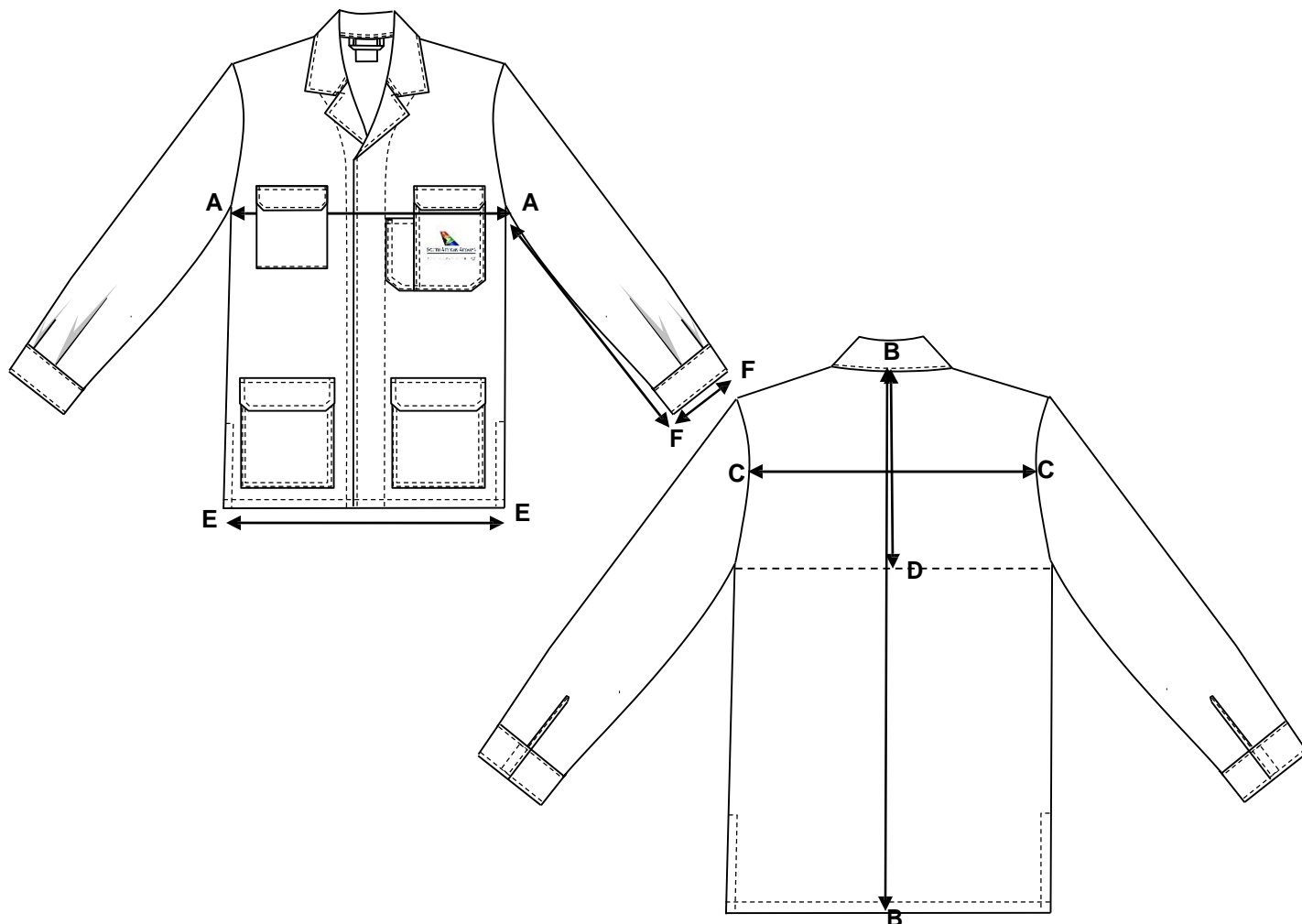
Ends of sewing shall be:

- ◆ trimmed and loose threads removed
- ◆ back-tacked if unsecured

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	11 of 45

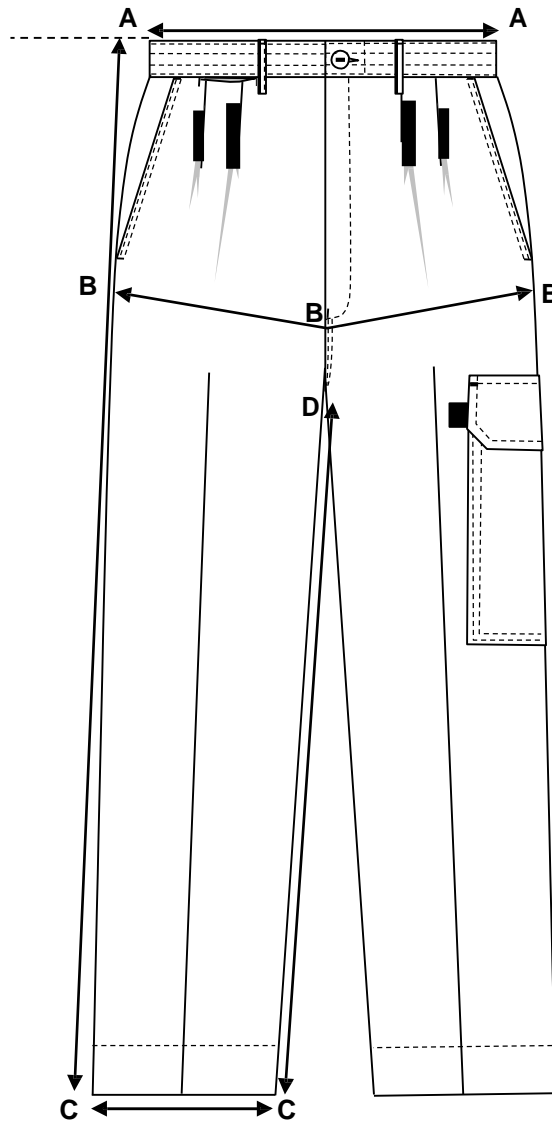
8. Sizes and dimensions

Jacket measurements:



MEASURING POINT		DESCRIPTION
A – A	Chest circumference	Measure at the base of the scye, with buttons fastened and spread completely flat, and multiply by two.
B – B	Back length	Measure from the centre back neck seam to the bottom edge of the hem.
C – C	Back width	Measure across the width of the back in the midpoint of the scye.
B – D	Depth of scye	Measure from the centre back neck point to a point level with the base of the scye.
E – E	Bottom hem	Measure along the bottom edge of the hem, with the front buttons fastened, and multiply by two.
A – F	Sleeve length	Measure from the base of the scye, along the underarm seam to the outer edge of the cuff.
F – F	Cuff circumference	Measure along the outer edge of the fastened cuff, from the one edge of the cuff to the other and multiply by two.

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	12 of 45



MEASURING POINT		DESCRIPTION
A – A	Relaxed waist circumference	Measure across at the top edge of the waistband, with the elastic relaxed and multiply by two.
A – A	Extended waist circumference	Measure across at the top edge of the waistband, with the elastic fully extended and multiply by two.
B – B	Seat/hip circumference	Measure across the width of the garment, with open pleats. Mark out 20 cm below the waistband seam at both side seams as well as 20 cm below the waistband seam at centre front. Mark these three points, measure in a V-formation and multiply by two.
C – D	Inside leg length	Measure from the crotch seam to the bottom edge of the leg.
A – C	Outside leg length	Measure from the top edge of the waistband to the bottom edge of the leg.
C – C	Bottom hem circumference	Measure across the width at the bottom edge of the garment , and multiply by two.

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	13 of 45

Table 5 – Size range: Jackets

1	2	3	4	5	6	7	8
Size designation ¹	Nominal finished garment measurements, cm						
	Chest circumference	Back length	Back width	Sleeve length	Depth of scye	Bottom hem circumference	Cuff circumference
30	102	71	38	47	27.5	102	24
32	107	72	40	47	28	107	24
34	112	73	42	48	28.5	112	25
36	117	74	44	48	29	117	25
38	122	75	46	49	29.5	122	25
40	127	76	48	49	30	127	26
42	132	77	50	50	30.5	132	26
44	137	77,5	52	50	31	137	26
46	142	78	54	51	31.5	142	27
48	147	78,5	56	51	32	147	27
50	152	79	58	52	32.5	152	27
52	157	79,5	60	52	33	157	28
54	162	80	62	53	33.5	162	28
56	167	80,5	64	53	34	167	28
1) Based on the chest circumference, in inches, of the intended wearer.							

Table 6 – Trousers size range

1	2	3	4	5	6	7
Size designation ¹	Waist relaxed ²	Nominal finished garment measurements, cm				
		Circumference			Inside leg length	Outside leg length
		Waist extended	Seat	Bottom hem		
28	62	82	97	45	76	102
30	67	87	102	45	77	104
32	72	92	107	45	78	106
34	77	97	112	46	78	106
36	82	102	117	46	79	108
38	87	107	122	46	79	108
40	92	112	127	47	80	110
42	97	117	132	47	80	110
44	102	122	137	47	81	112
46	107	127	142	48	81	112
48	112	132	147	48	82	114
50	117	137	152	48	82	114
52	122	142	157	49	83	116
54	127	147	162	49	83	116
¹ Based on the waist circumference of the wearer in inches.						

² Given for guidance only.

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	15 of 45

9. Make

Illustrations are not to scale and are for guidance only, and unless inconsistent with the text, all measurements are nominal.

9.1 Jackets

9.1.1 Fronts

NOTE: *Shoulder seams shall be positioned on the natural shoulder line.*

Fronts to:

- ◆ fasten left over right
- ◆ fasten with buttons and buttonholes

Each front to:

- ◆ have a breast pocket with a flap
- ◆ have a side pocket with a flap
- ◆ have a facing
- ◆ have a lapel step of finished length 40 mm

Right front to:

- ◆ be fitted with five or six buttons (depending on the size) that are in corresponding positions to the buttonholes

Left front to:

- ◆ have a concealed fly opening
- ◆ fitted with five or six buttonholes (depending on the size)
- ◆ be fitted with a pen pocket, adjacent to the breast pocket

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	16 of 45

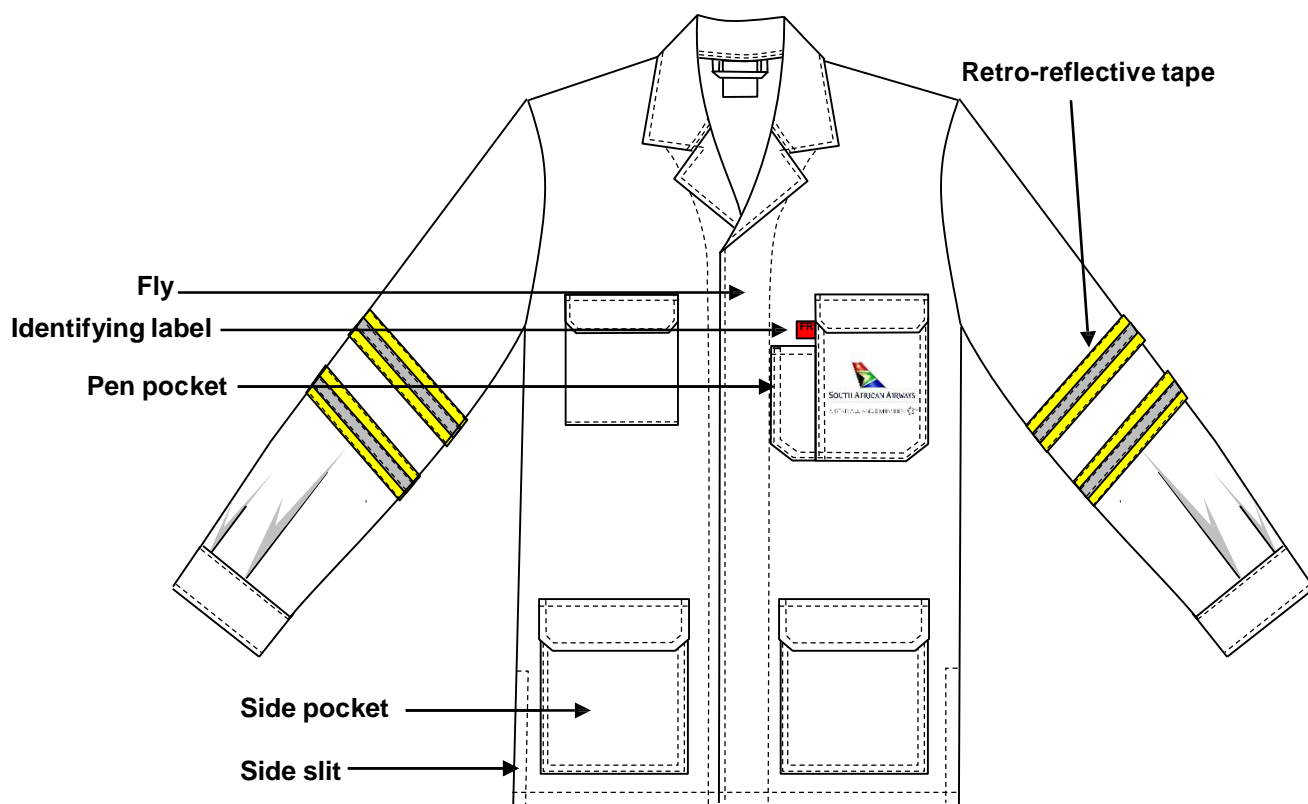


Figure 1 - Front

9.1.2 Front facing

Each facing shall:

- ♦ be of outer material
- ♦ be cut separately and sewn-on
- ♦ have overlocked free edges
- ♦ edge-stitched 7 mm along the front edge

Right front facing shall:

- ♦ extend from the shoulder seam to the bottom hem
- ♦ be of finished width 35 mm at the shoulder seam, shaped to 60 mm at the bottom hem
- ♦ sewn down together with the front, 50 mm from the front edge

Left front facing shall:

- ♦ extend from 50 mm above the top buttonhole to the bottom hem
- ♦ be of finished width 60 mm at the bottom hem
- ♦ be sewn down together with the front, 50 mm from the front edge

9.1.3 Buttonhole stand

Each buttonhole stand shall:

- ♦ be of outer material
- ♦ lined with outer material
- ♦ be cut separately and sewn-on
- ♦ extend from the shoulder seam to the bottom hem
- ♦ be of finished width 35 mm at the shoulder seam, shaped to 60 mm at the waistband seam
- ♦ be overlocked along rear edges

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	17 of 45

- ◆ edge-stitched 7 mm along the front edge, continued along the step of the lapel
- ◆ be sewn to the seam allowance of the left front at the top edge (see figure 2)
- ◆ be free from a point approximately 20 mm below the breakpoint of the lapel
- ◆ be fitted with five or six buttonholes (depending on the size)
 - horizontal
 - jacket type buttonholes
 - barred and gimped
 - neatly made
 - equidistantly spaced
 - of such length that it shall neatly accommodate buttons of diameter 17 mm
 - positioned with the first buttonhole 50 mm below the breakpoint of the lapel
 - positioned with the bottom most buttonhole 15 cm above the bottom hem
 - remaining buttonholes to be equidistantly spaced at 8 – 10 cm intervals
- ◆ have horizontal stitchings between the buttonholes
 - to extend from 10 mm from the front edge of the buttonhole stand to the rear edge
 - stitchings to be sewn through the front facing (attaching the facing to the buttonhole stand)
 - securely tacked

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	18 of 45

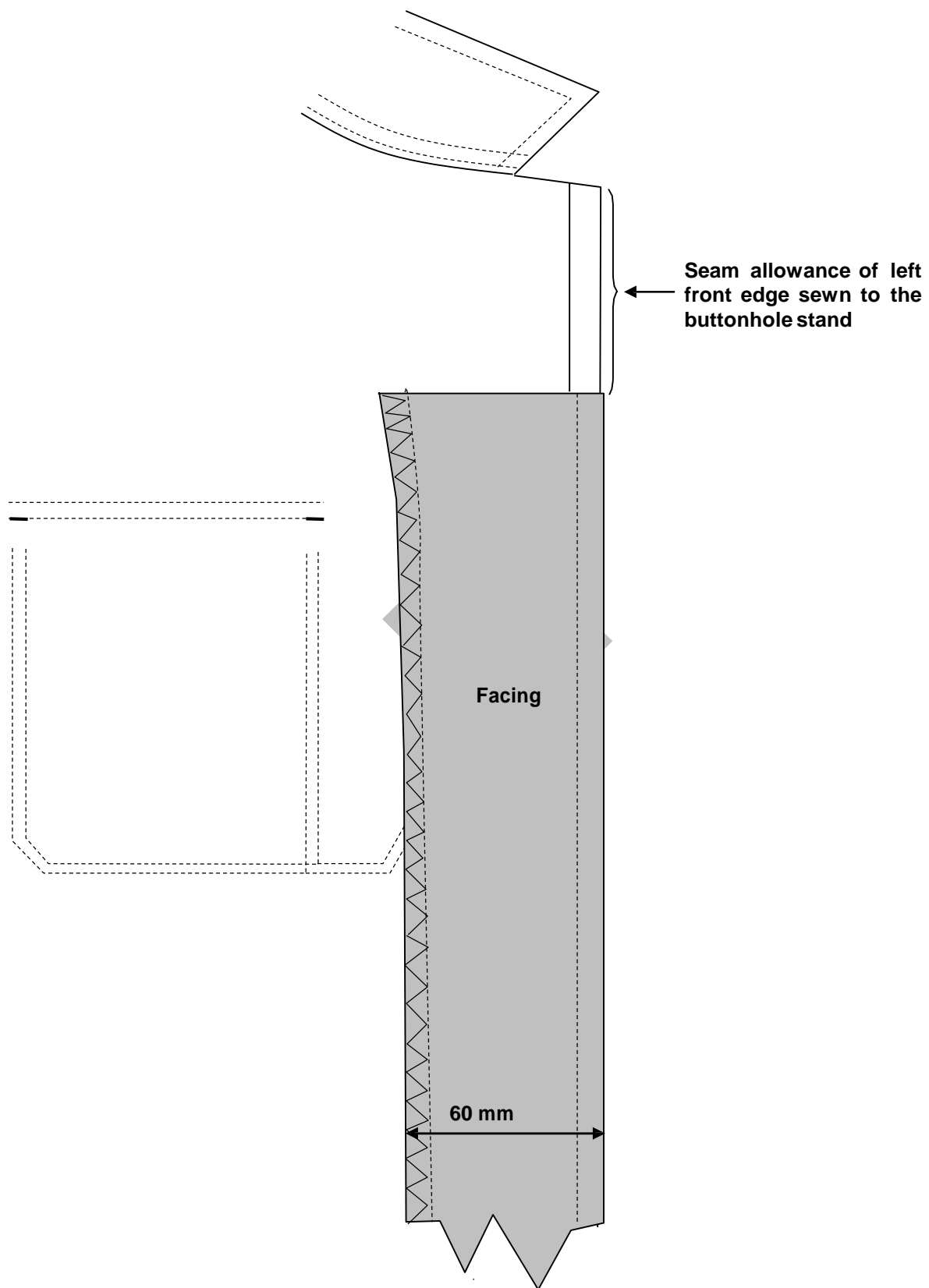


Figure 2 – Left front facing

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	19 of 45

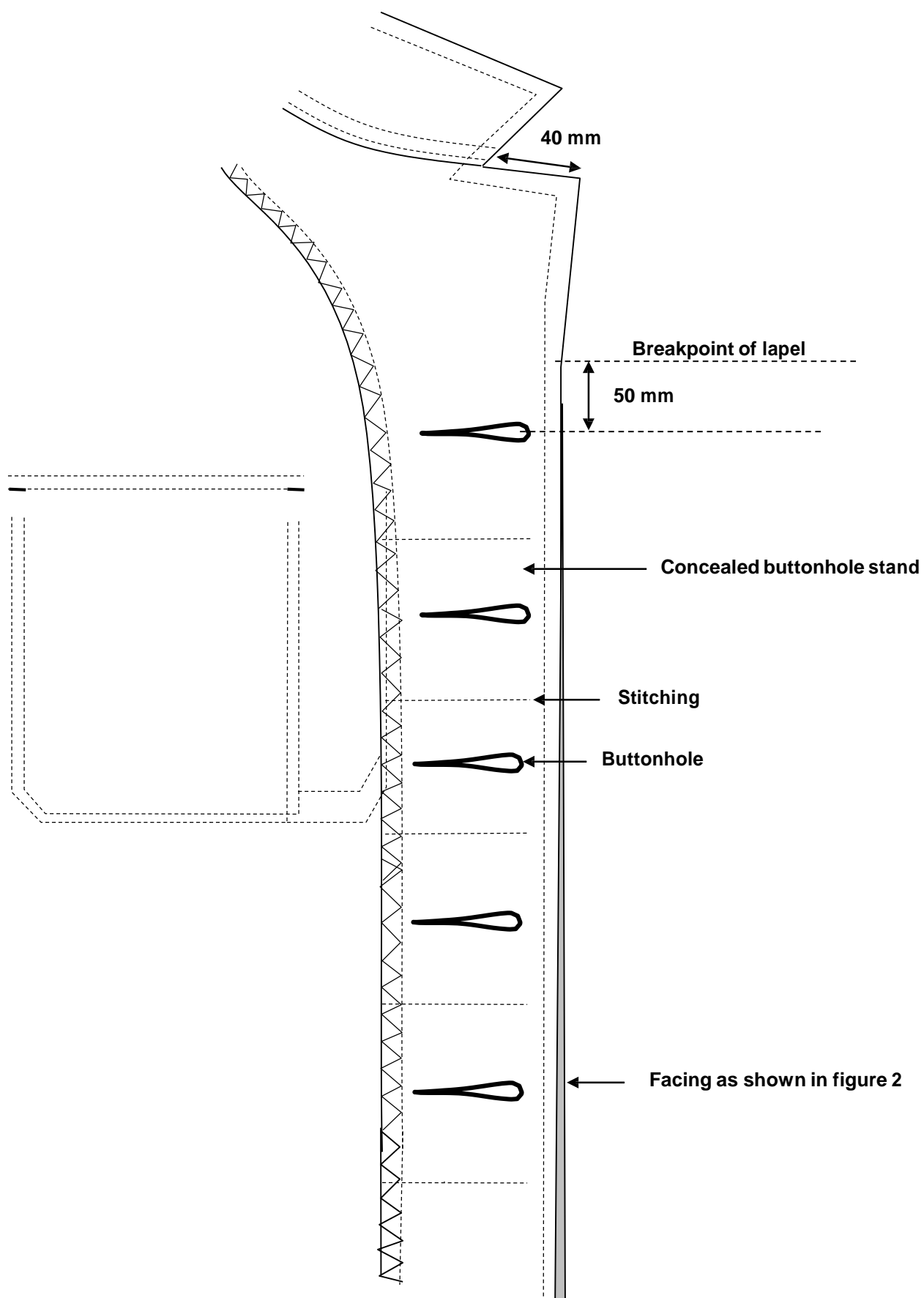


Figure 3 – Buttonhole stand on left front (concealed by front)

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	20 of 45

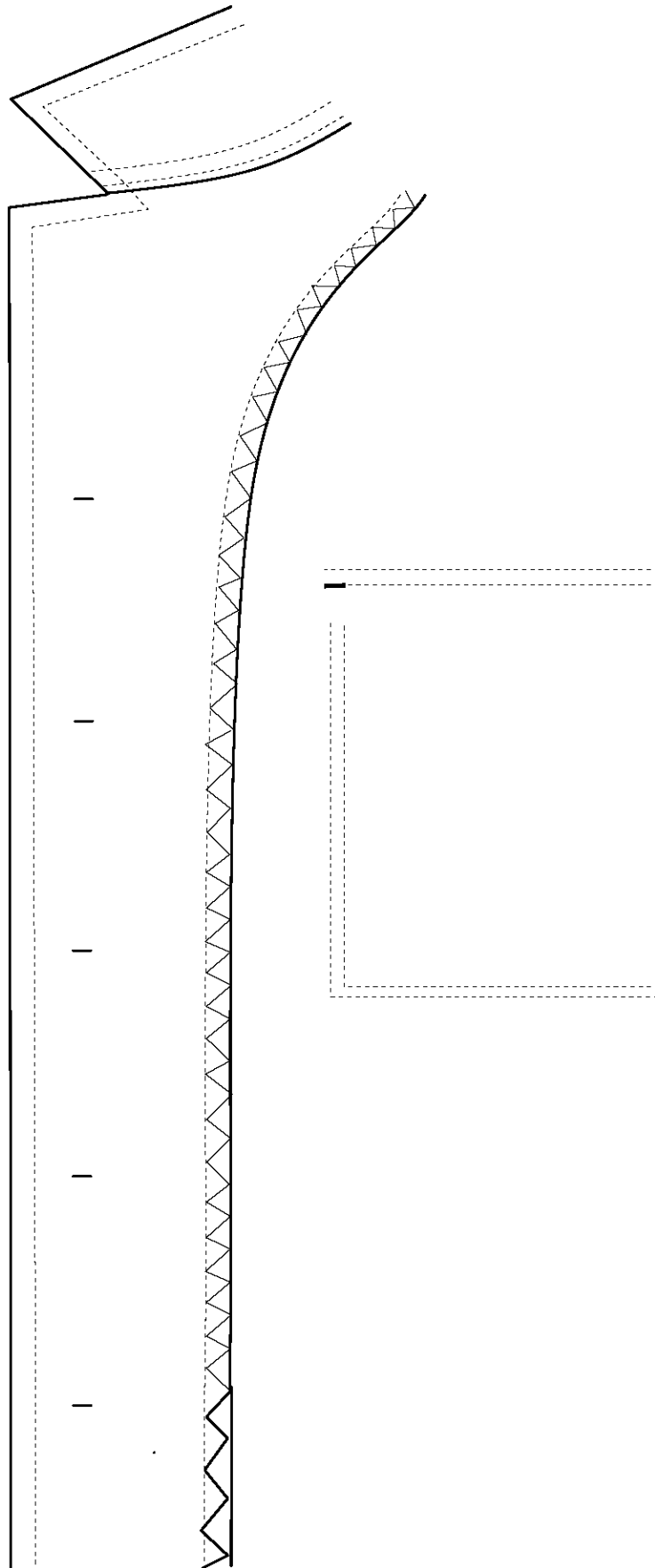


Figure 4–Right front facing

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	21 of 45

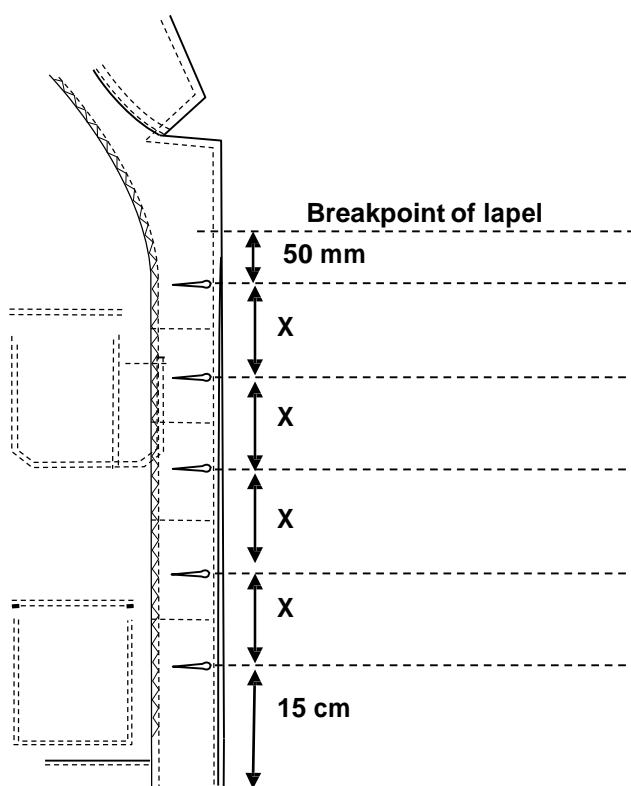


Figure 5 – Spacing of buttonholes

9.1.4 Pockets

All pockets shall:

- ♦ be of outer material

Each jacket shall have:

- ♦ two breast pockets
 - left front to have a patch pocket and adjacent pen pocket
 - right front to have a bellows pocket
- ♦ two side patch pockets

9.1.4.1 Left front breast pocket

Each left front breast pocket shall:

- ♦ have one blunted bottom corner and one square corner
 - blunted corner to be of length 30 mm
- ♦ be of dimensions as given in table 5
- ♦ have a pocket mouth hem of finished depth 20 mm
- ♦ be horizontally bar-tacked at the top outer edges of the pocket mouth
- ♦ positioned with the top edge 15 mm below the stitching of the pocket flap
- ♦ be turned-in 10 mm along the side and bottom edges and edge-stitched 2 mm and 8 mm
- ♦ be positioned with the front edge of the pockets 10 cm from the front edge of the jacket
- ♦ be fitted with a female section of touch and close fastener
 - in corresponding positions to the male section of the pocket flap
 - of length 35 mm
- ♦ fitted with an embroidered design
 - South African Airways logo (see table 8)

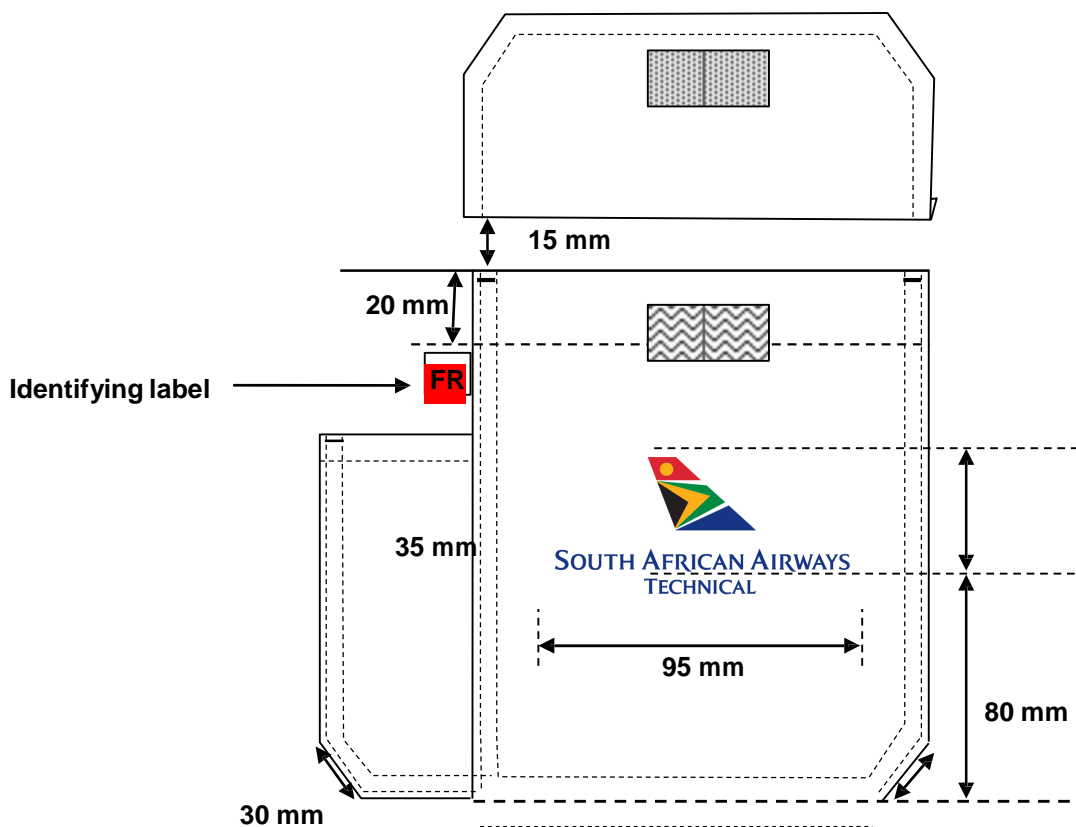
Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	22 of 45

- embroidered with embroidery thread and positioned as given in figure 6
- to incorporate 6 different colours (see tables 8)
- ♦ have a flap
- ♦ fitted with an identifying label as given in paragraph 6.4 and figure 6
 - positioned below the mouth opening hem
 - sewn in with the front edge of the pocket

NOTE: On small sizes where the pocket does not fit, it will be reduced proportionally.

Table 7 – Dimensions of breast pocket

1	2	3
Size designation	Width	Depth
All sizes	14 cm	17 cm



NOTE: Identifying label in illustration depicts a FR garment.

Figure 6 – Left breast pocket and pen pocket

9.1.4.2 Left front breast pocket flap

Left breast pocket flaps shall:

- ♦ be of outer material
- ♦ lined with outer material
- ♦ have blunted corners of length 30 mm
- ♦ of finished depth 60 mm (measured in the centre)
- ♦ of finished depth 45 mm (measured at the sides)
- ♦ be centrally positioned above the breast pocket
- ♦ positioned approximately 40 mm above the base of the scye
- ♦ width to be such that it shall be 6 mm wider than what is specified for the breast pocket
- ♦ horizontally bar-tacked at each flap end
- ♦ edge-stitched 7 mm along the free edges

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	23 of 45

- ♦ top edge to be sewn to the front, folded over and stitched down 7 mm from the folded edge
- ♦ be fitted with a male section of touch and close fastener
 - of length 35 mm
 - centrally positioned and 10 mm above the lower free edge of the flap (on the inside)
 - sewn along all four edges
 - sewn through the pocket flap lining only (no stitchings visible on outside)



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Table 8 – Colour breakdown of SAA tail

 Pantone 348c “SAA green”	 Pantone 123c “SAA Yellow Gold”
 Pantone Black 	 Pantone White
 Pantone 662c “SAA Blue”	 Pantone 1795c “SAA Red”

9.1.4.3 Pen pocket

Pen pocket to be:

NOTE: Positioning of pocket not to interfere with the functionality of the buttonhole stand.

- ♦ of length 13,5 cm and of finished width 50 mm
- ♦ positioned with the bottom edge aligned with the bottom edge of the left breast pocket
- ♦ such that the front edge is parallel to the front edge of the jacket
- ♦ be such that the rear side edge is sewn together with the front side edge of the left breast pocket
- ♦ cut in such a way that the bottom corner (closer to centre front) is blunted and of finished length 30 mm

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	24 of 45

- ◆ horizontally bar-tack at the front top corner
- ◆ such that it shall have a finished pocket mouth of depth 10 mm
- ◆ turned-in 10 mm along the front and bottom edges and edge-stitched 2 mm and 8 mm

9.1.4.4 Right front breast pocket

Each right front breast pocket shall:

- ◆ have square bottom corners
- ◆ be of dimensions as given in table 9
- ◆ pleated along both side edges
 - of finished depth 15 mm
 - pleated in such a way that the bottom edge shall be sewn down with a 2 mm edge-stitching
- ◆ have a pocket mouth hem of depth 20 mm
- ◆ positioned with the top edge 15 mm below the stitching of the pocket flap
- ◆ be turned-in 10 mm along the side and bottom edges and edge-stitched 2 mm
- ◆ vertically bar-tacked at the outer edges of the pocket mouth
- ◆ be positioned with the front edge of the pockets 10 cm from the front edge of the jacket
- ◆ be fitted with a female section of touch and close fastener
 - in corresponding positions to the male section of the pocket flap
 - of length 35 mm
- ◆ have a flap

Table 9 – Dimensions of right front breast pocket

1	2	3
Size designation	Width	Depth
All sizes	14 cm	15 cm

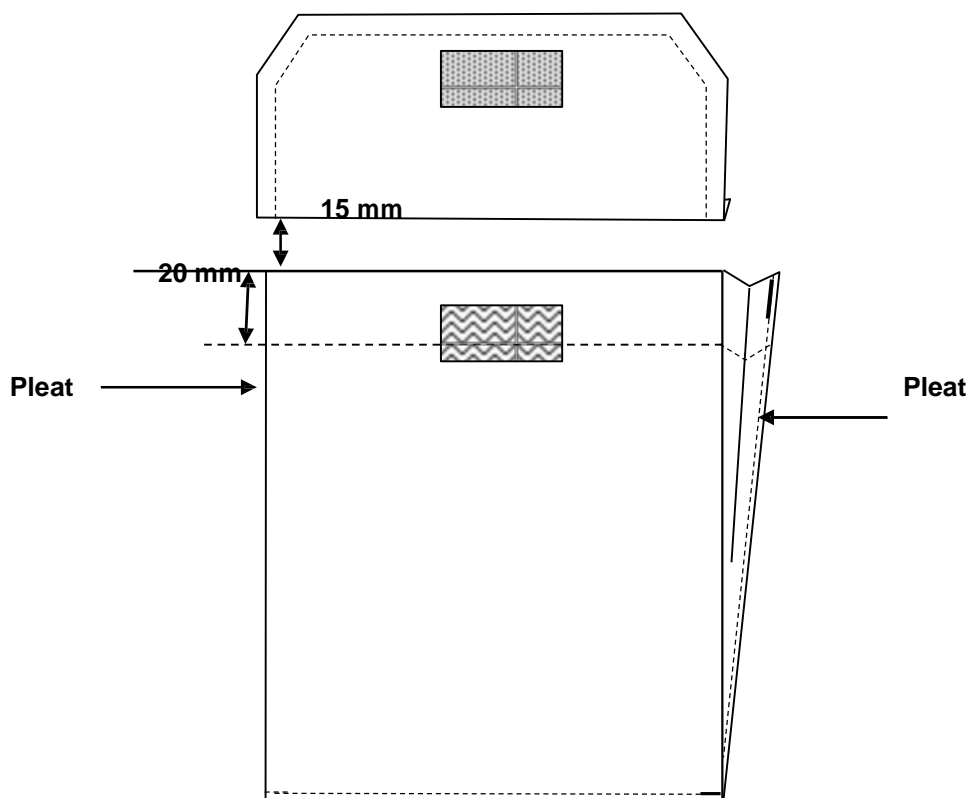


Figure 7 – Right breast pocket

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	25 of 45

9.1.4.5 Right front breast pocket flap

Right breast pocket flaps shall:

- ◆ be of outer material
- ◆ lined with outer material
- ◆ have blunted corners of length 30 mm
- ◆ of finished depth 60 mm (measured in the centre)
- ◆ of finished depth 45 mm (measured at the sides)
- ◆ be centrally positioned above the breast pocket
- ◆ positioned approximately 40 mm above the base of the scye
- ◆ width to be such that it shall be 6 mm wider than what is specified for the breast pocket
- ◆ horizontally bar-tacked at each flap end
- ◆ edge-stitched 7 mm along the free edges
- ◆ top edge to be sewn to the front, folded over and stitched down 7 mm from the folded edge
- ◆ be fitted with a male section of touch and close fastener
 - of length 35 mm
 - centrally positioned and 10 mm above the lower free edge of the flap (on the inside)
 - sewn along all four edges
 - sewn through the pocket flap lining only (no stitchings visible on outside)

9.1.4.6 Side pocket

Side pockets shall:

- ◆ be a patch pocket
- ◆ have square corners
- ◆ be of finished width 16 cm
- ◆ of finished depth 18 cm
- ◆ positioned 40 mm above the bottom hem of the jacket
- ◆ have a pocket mouth hem of depth 20 mm
- ◆ be vertically bar-tacked at the outer edges of the pocket mouth
- ◆ centrally positioned on the front
- ◆ be turned-in 10 mm along the side and bottom edges and edge-stitched 2 mm and 8 mm
- ◆ be fitted with a female section of touch and close fastener
 - in corresponding positions to the male section of the pocket flap
 - of length 35 mm

9.1.4.7 Side pocket flap

Side pocket flaps shall:

- ◆ be of outer material
- ◆ lined with outer material
- ◆ have blunted corners of length 30 mm
- ◆ of finished depth 60 mm (measured in the centre)
- ◆ of finished depth 45 mm (measured at the sides)
- ◆ be centrally positioned above the side pocket
- ◆ width to be such that it shall be 6 mm wider than what is specified for the side pocket
- ◆ horizontally bar-tacked at each flap end
- ◆ edge-stitched 7 mm along the free edges
- ◆ top edge to be sewn to the front, folded over and stitched down 7 mm from the folded edge
- ◆ be fitted with a male section of touch and close fastener
 - of length 35 mm
 - centrally positioned and 10 mm above the lower free edge of the flap (on the inside)
 - sewn along all four edges
 - sewn through the pocket flap lining only (no stitchings visible on outside)

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	26 of 45

9.1.5 Collar

Collar to be:

- ◆ a one-piece sports-type collar (open-neck)
- ◆ of outer material
- ◆ lined with outer material
- ◆ of finished depth 80 mm
 - measured at the centre back
- ◆ of finished length 50 mm
 - measured at the points
- ◆ edge-stitched 8 mm along the free edges

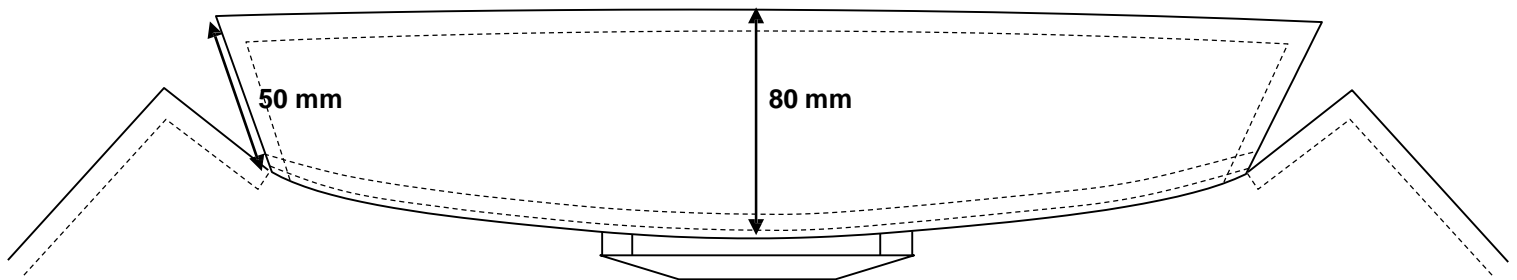


Figure 8 – Collar

9.1.6 Back

Each back shall:

- ◆ be plain

9.1.7 Sleeves

The sleeves shall:

- ◆ be one-piece, set-in
- ◆ be seamed under the arms
- ◆ each be fitted with two horizontal strips of retro-reflective tape
 - positioned as given in figure 9
 - equidistantly spaced at a 50 mm interval
 - attached with a 5 mm edge-stitching along all edges and sewn in with the underarm seam
- ◆ have a hind-arm openings
 - opening to be of finished length 80 mm
 - bound with binding of outer material of finished width 7 mm
- ◆ two pleats
 - positioned on the forearm
 - one pleat of finished depth 15 mm, second pleat of finished depth 10 mm, positioned 40 mm apart

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	27 of 45

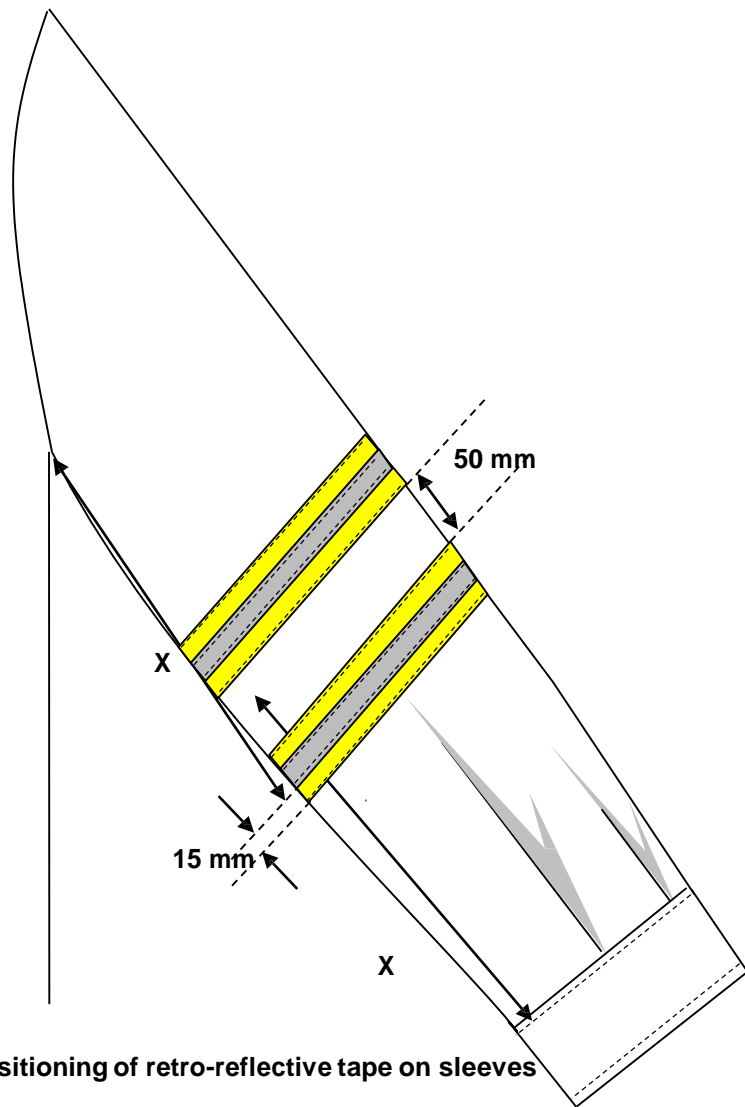


Figure 9 – Positioning of retro-reflective tape on sleeves

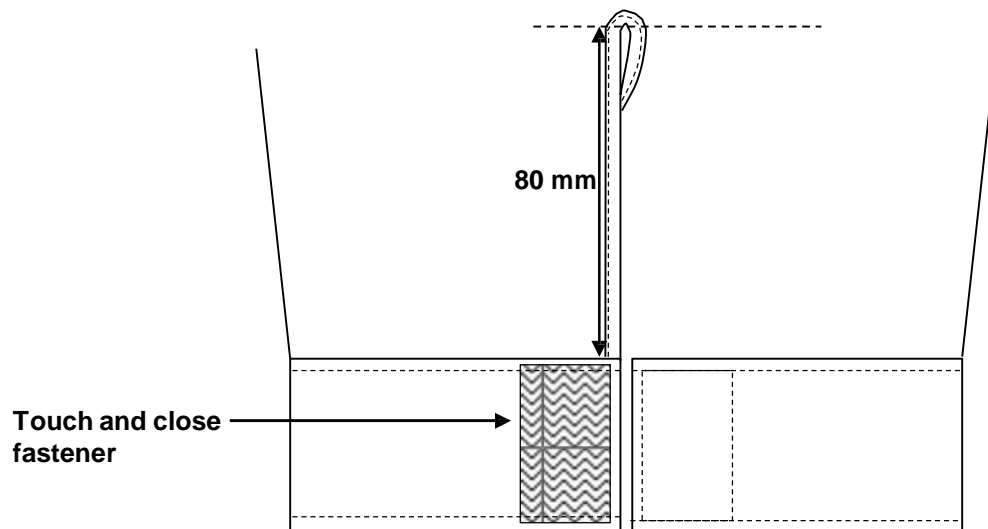


Figure 10 – Cuff

- ◆ have cuffs
 - of outer material
 - lined with outer material
 - of finished depth 40 mm
 - have square corners

- edge-stitched 8 mm around the free edges

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	28 of 45

- fitted with a female section of touch and close fastener
 - positioned on the outside of the cuff
 - aligned with the outer edge of the cuff
 - of finished length 40 mm
 - sewn along all edges
- fitted with a male section of touch and close fastener
 - positioned on the inside of the cuff
 - aligned with the outer edge of the cuff
 - of finished width and length 40 mm
 - sewn along all edges

9.1.8 Hanger

The hanger shall be:

- ◆ of outer material
- ◆ of finished length 80 mm
- ◆ of finished width 10 mm
- ◆ sewn in with the collar seam at the centre back on the inside of the jacket

9.1.9 Bottom hem

The bottom hem shall be:

- ◆ straight
- ◆ of finished width 15 mm
- ◆ constructed in such a way that it shall make provision for side slits
 - of finished length 10 cm
 - bar-tacked along the top edge
 - sewn down 10 mm along the side edges

9.2 Trousers

9.2.1 Fronts

Fronts to:

- ◆ each have two pleats
 - knife pleats
 - reverse pleats
 - first pleat to be in line with the crease line and of finished depth 10 mm
 - second pleat to be positioned 50 mm behind the first and of finished depth 15 mm
- ◆ have a fly opening
- ◆ fasten with a slide fastener
- ◆ each have a slanted side pocket
- ◆ be such that each trouser leg shall each be fitted with two horizontal strips of retro-reflective tape
 - positioning to be as given in figure 14
 - equidistantly spaced at 50 mm intervals
 - attached with a 5 mm edge-stitching along all edges
 - sewn in with the inside and outside leg seams

Right front to have:

- ◆ a fob pocket inserted in the waistband seam

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	29 of 45

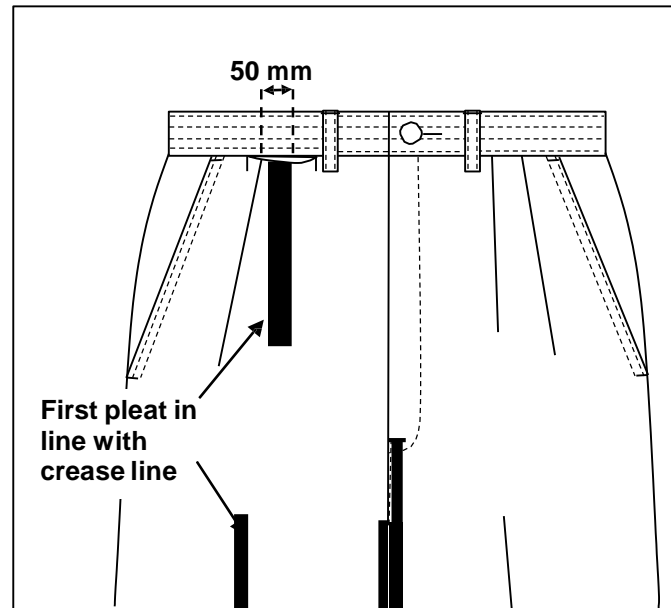


Figure 11 – Front view

9.2.2 Fly

The fly to be:

- ♦ of outer material
- ♦ lined with outer material
- ♦ of finished width 40 mm
- ♦ sewn down 30 mm from the front edge
- ♦ fitted with a stringer of a slide fastener
- ♦ overlapping left over right
- ♦ horizontally bar-tacked at the bottom of the fly opening
- ♦ folded in along the free inside edges

9.2.3 Fly-catch

The fly-catch to:

- ♦ be cut-on
- ♦ be of minimum finished width 30 mm
- ♦ be turned-in along the side raw edge and stitched down
- ♦ overlocked along the bottom raw edge
- ♦ stringer of slide fastener to be laid-on and sewn to the cut-on fly-catch in such a way that the teeth shall be positioned 20 mm from the front edge

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	30 of 45

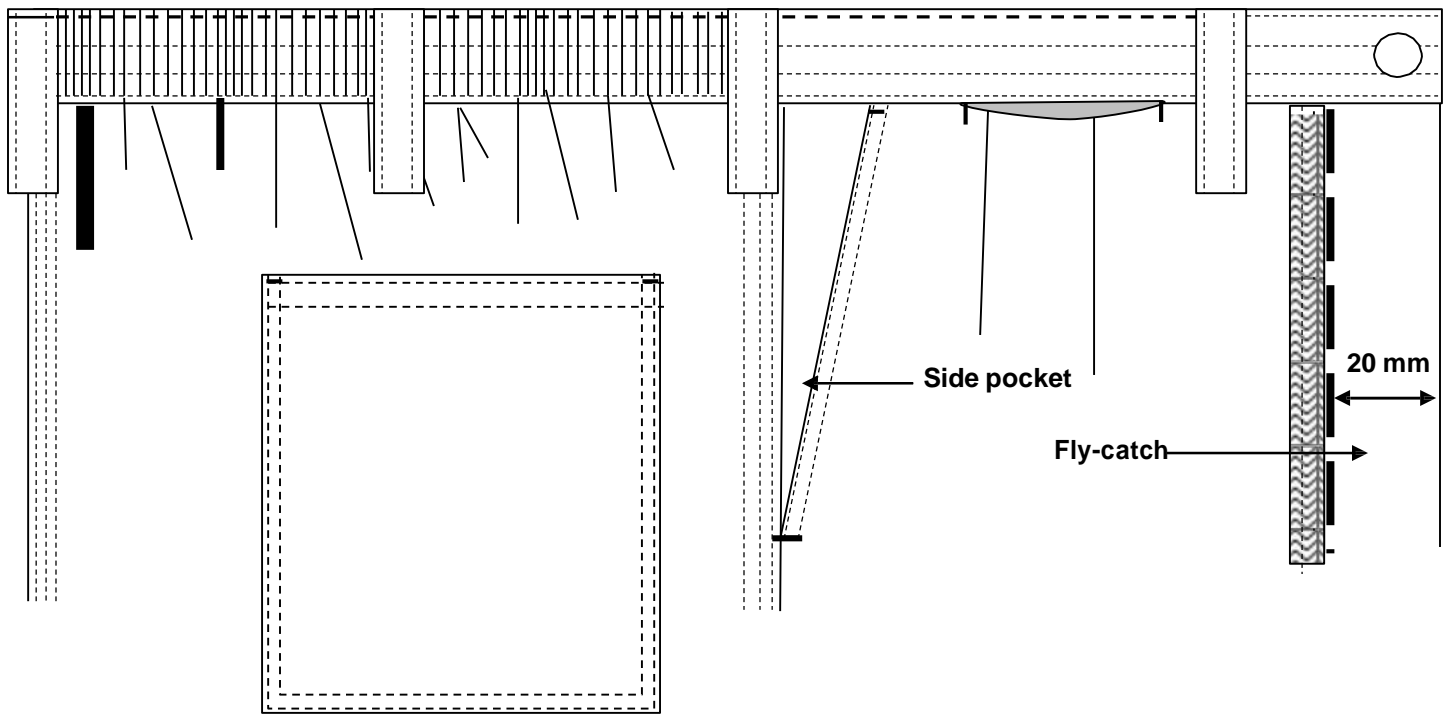


Figure 12 – Right panels

9.2.4 Back

Each back to:

- ◆ be plain
- ◆ be such that each trouser leg shall each be fitted with two horizontal strips of retro-reflective tape which shall align with the strips on the fronts

The right back shall have:

- ◆ a rule pocket as given 9.2.5.4
- ◆ have a hip pocket as given in 9.2.5.3

The left back shall have:

- ◆ a tab
 - of double folded outer material
 - have square corners
 - of finished length 10 cm mm
 - of finished width 40 mm
 - attached to the back by means of a double edge-stitching along the side edges to result in a 76 mm gap (3 inches) between the two inner stitches to accommodate the handle of a relevant torch
 - outer edges to be reinforced with bar-tacks
 - positioned with the edge 25 mm from the side seam and 60 mm below the waistband seam

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	31 of 45

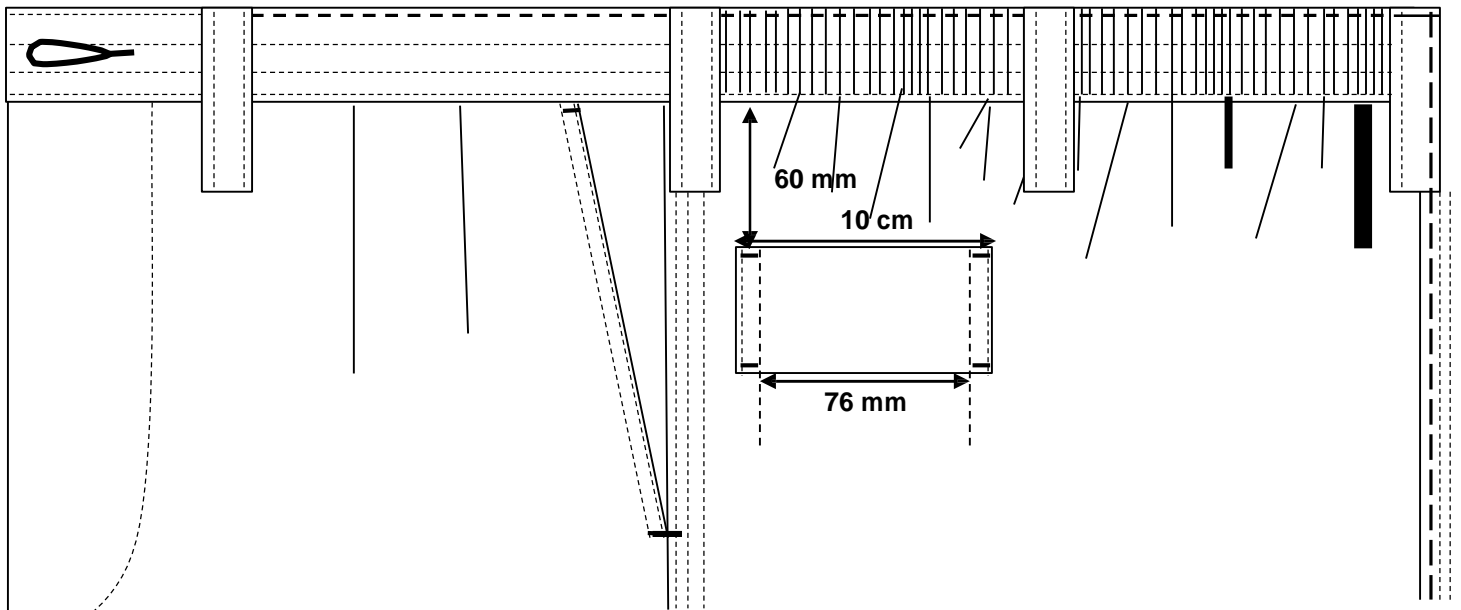


Figure 13 – Left panels

9.2.5 Pockets

Each pair of trousers to have:

- ◆ two slanted side pockets
- ◆ one hip patch pocket
- ◆ one fob pocket
- ◆ one rule pocket
- ◆ one thigh pocket

9.2.5.1 Side pockets

Each pocket to:

- ◆ have a slanting pocket mouth
 - positioned with the top edge 40 mm forward of the side seam
 - of finished length 18 cm
- ◆ be such that the pocket mouth hem is stitched down by means of a 2 mm and 7 mm edge-stitching
- ◆ be such that the mouth ends are securely finished off with bar-tacks
 - bottom bar-tack to be centrally positioned over the side seam
 - bar-tacks to be horizontal

Each side pocket bag to:

- ◆ be of double folded outer material
- ◆ swing type
- ◆ of finished width and depth 15 cm and 17 cm respectively (measured below the lower bar-tack)
- ◆ carried to the waistband (upper edges of pocket bags)
- ◆ be bagged-out and stitched 10 mm at the bottom edges

9.2.5.2 Hip pockets

Each pocket to:

- ◆ be a patch pocket of outer material
- ◆ positioned on the right back panel
- ◆ have square bottom corners

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	32 of 45

- ◆ have a pocket mouth hem of finished depth 10 mm and double stitched 2 mm and 8 mm
- ◆ side and bottom edges to be folded in 10 mm and double edge-stitched 2 mm and 8 mm
- ◆ mouth ends to be securely finished off with horizontal bar-tacks
- ◆ be of finished depth 17 cm
- ◆ be of finished width 15 cm
- ◆ positioned with the top edge 60 mm below the waistband seam
- ◆ positioned with the top outer edge of the pocket mouth 50 mm from the outside leg seam

9.2.5.3 Fob pockets

Each pocket to:

- ◆ be inserted in the right front in the waistband-to-body seam
- ◆ mouth ends to be securely finished off with vertical bar-tacks
- ◆ mouth opening to be of length 70 mm
- ◆ pocket bags to be of outer material
 - finished width to be 90 mm
 - of finished depth 10 cm
 - overlocked along the outer edges
 - carried to the waistband seam

9.2.5.4 Rule pockets

Each pocket to:

- ◆ be a patch pocket of outer material
- ◆ sewn to the right back trouser section
- ◆ one edge to be sewn in with the outside leg seam
 - ◆ be of finished depth 22 cm
- ◆ of finished width 90 mm
- ◆ to have a blunted bottom corner of length 25 mm
- ◆ mouth opening to be horizontally bar-tacked
- ◆ side edges to be turned-in 10 mm and edge-stitched 2 mm and 8 mm
- ◆ mouth hem to be of finished width 10 mm and edge-stitched 2 mm and 8 mm
- ◆ bottom edge to be reinforced with an additional layer of outer material
 - of finished depth 60 mm
 - positioned on inside of pocket
 - top raw edge to be folded in 10 mm and edge-stitched 2 mm and 8 mm
- ◆ be positioned 14 cm below the lower bar-tack of the side pocket

9.2.5.5 Thigh pockets

Each thigh pocket to:

- ◆ be a patch pocket with a flap of outer material
- ◆ centrally positioned over the left side seam at the thigh area
- ◆ of finished width 16 cm
- ◆ of finished depth 20 cm
- ◆ side edges to be turned in 10 mm and edge-stitched 2 mm and 8 mm
- ◆ to have a pocket mouth hem of finished depth 20 mm
- ◆ have a flap
- ◆ fitted with an identifying label
 - positioned directly below the mouth hem and sewn in with the front edge of the pocket
 - label to be as given in paragraph 6.4
- ◆ be fitted with a female section of touch and close fastener
 - in corresponding positions to the male section of the pocket flap
 - of length 35 mm

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	33 of 45

9.2.5.6 Thigh pocket flap

Each thigh pocket flap to:

- ◆ be of outer material
- ◆ lined with outer material
- ◆ to have blunted corners of finished length 30 mm
- ◆ of finished depth 60 mm (measured in the centre)
- ◆ of finished depth 45 mm (measured at the sides)
- ◆ be sewn to the trouser, folded over and stitched down 7 mm from the folded edge
- ◆ free edges to be edge-stitched 7 mm
- ◆ positioned in such a way that there shall be a 10 mm gap between the pocket and flap
- ◆ width to be such that it shall be 6 mm wider than what is specified for the breast pocket
- ◆ be fitted with a male section of touch and close fastener
 - of length 35 mm
 - centrally positioned and 10 mm above the lower free edge of the flap (on the inside)
 - sewn along all four edges
 - sewn through the pocket flap lining only (no stitchings visible on outside)

9.2.6 Waistband

Waistband to be:

- ◆ cut separately
- ◆ of double folded outer material
- ◆ cut-in-one
- ◆ of finished width 40 mm
- ◆ fastened with a button and buttonhole
- ◆ fitted with belt loops
- ◆ such that the back section shall be fitted with elastic webbing
 - to extend from the one side seam to the other
- ◆ of such length that it shall comply with the measurements as given in columns 2 and 3 of table 6
- ◆ such that the front section of the waistband shall be plain (stitchings of ruching shall continue onto the front)
- ◆ ruched with four equidistantly spaced rows of stitchings

Buttonhole to be:

- ◆ trouser type
- ◆ gimped and barred
- ◆ horizontal and neatly made
- ◆ of such length that it shall neatly accommodate a 17 mm button
- ◆ positioned centrally in the waistband with the eye 10 mm from the LEFT front edge

Button to be:

- ◆ sewn to the right front edge
- ◆ in a corresponding position to the buttonhole in the left front

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	34 of 45

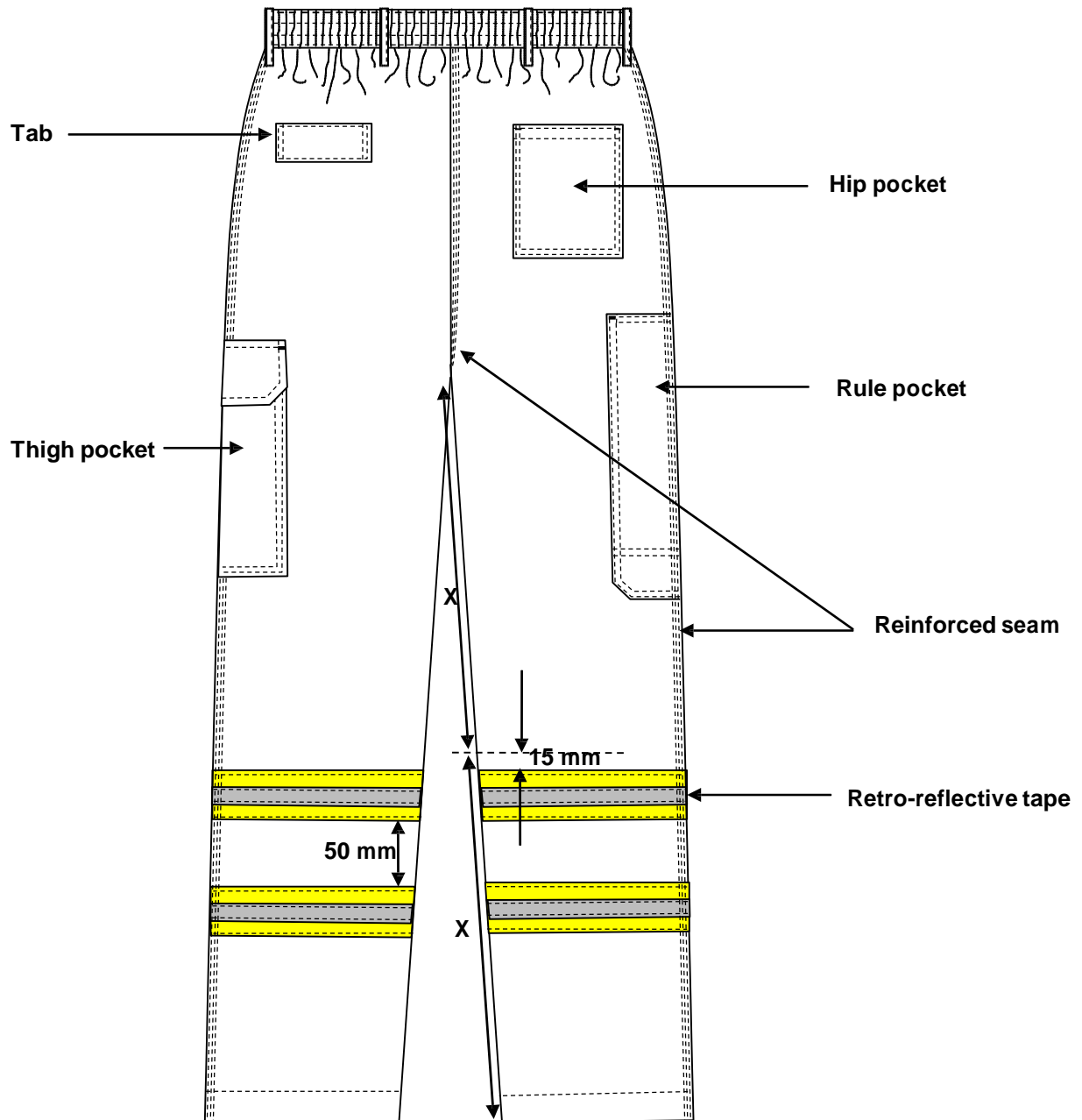


Figure 14 – Back

9.2.7 Belt loops

Belt loops to be:

- ♦ of double folded outer material
- ♦ as given in table 10
- ♦ of finished width 10 mm – 12 mm
- ♦ of finished length 70 mm
- ♦ edge-stitched 3 mm from the side edges
- ♦ sewn in with the waistband seam , bar-tacked 25 mm below the waistband seam
 - turned up and bar-tacked 1 mm from the top edge of the waistband
 - top edge of the belt loops to be level with the top edge of the waistband

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16,TM17, TM18 & TM19	Sept 2019	04.0	35 of 45

Table 10 – Belt loops

1 Size designation	2 Number of belt loops	3 Positioning of belt loops
Waist: 32 and smaller	5	a) one loop on each front, positioned 50 mm from centre front b) one loop positioned at the centre back c) one loop positioned at each side seam (sewn to the back panel)
Waist: 34 and larger	7	a) one loop on each front, positioned 60 mm from centre front b) one loop positioned at the centre back c) one loop positioned at each side seam (sewn to back panel) d) one loop positioned between the centre back loop and the side seam loops respectively

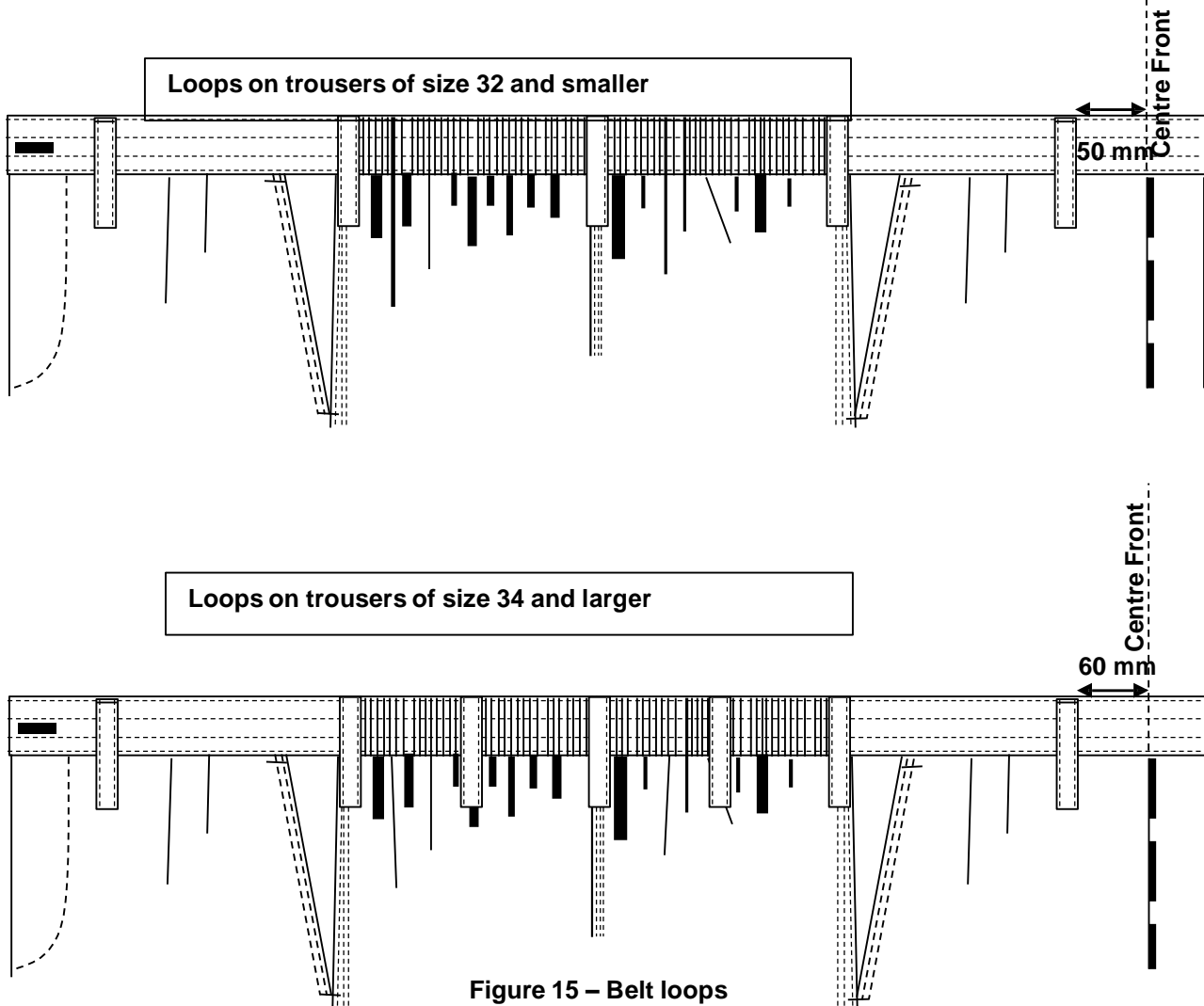


Figure 15 – Belt loops

9.2.8 Bottom hem

The bottom hem shall be:

- ♦ plain, folded in and stitched down
- ♦ of finished width 40 mm

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	36 of 45

10. Stitches, Seams and Stitchings

10.1 Stitches

main seaming: safety stitch

overlocking: three-thread overlocking stitch

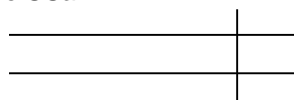
other stitches: single needle lock stitch

10.2 Seams

Seams to be at least 10 mm wide (unless otherwise stated):

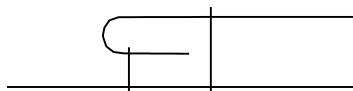
10.2.1 Jackets

Main seams: seam type SSa



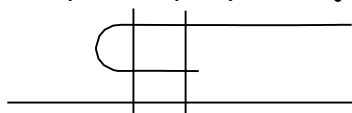
Superimpose two or more plies of material and seam with the appropriate number of rows of stitches positioned at the specific distance(s) from the aligned edges.

Pocket flaps to garment: seam type LSbl-2



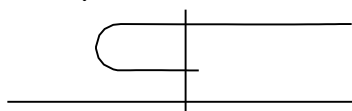
Form seam type LSbj-1. Then turn the strip back at the seam and seam with one row of stitches through the strip and ply.

Attaching left breast pocket, pen pocket, jacket side pocket: seam type LSd-2



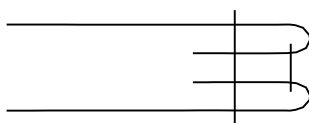
Turn in the edge of one ply of material, lap it on the body of a second ply (at the specified distance from the edge of the second ply), and seam with the appropriate number of rows of stitches.

Attaching right breast pocket: seam type LSd-1



Turn in the edge of one ply of material, lap it on the body of a second ply (at the specified distance from the edge of the second ply), and seam with the appropriate number of rows of stitches.

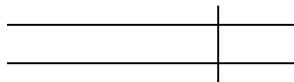
Leaf edge of collar and pocket flap outer edges: seam type SSe-2



Form seam Type SSa-1, using two plies of material. Then turn back each ply at the seam and seam through the turned edges with the appropriate number of rows of stitches.

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	37 of 45

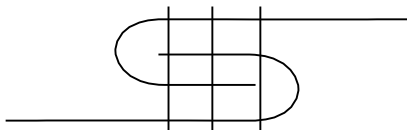
Other seams: seam type SSa-1



Superimpose two or more plies of material and seam with the appropriate number of rows of stitches positioned at the specific distance(s) from the aligned edges.

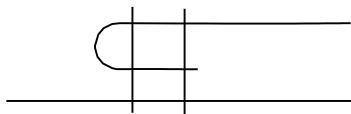
10.2.2 Trousers

Outside leg seam and centre back seam: seam type LSc-3



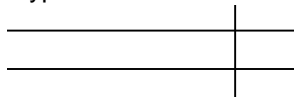
Turn in and interlap the edges of two plies of material and seam with the appropriate number of rows of stitches.

Attaching hip pocket, thigh pocket, rule pocket: seam type LSd-2



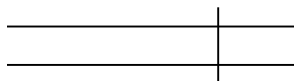
Turn in the edge of one ply of material, lap it on the body of a second ply (at the specified distance from the edge of the second ply), and seam with the appropriate number of rows of stitches.

Inside leg seam: seam type SSa



Superimpose two or more plies of material and seam with the appropriate number of rows of stitches positioned at the specific distance(s) from the aligned edges.

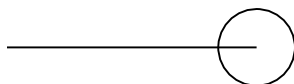
Other seams: seam type SSa-1



Superimpose two or more plies of material and seam with the appropriate number of rows of stitches positioned at the specific distance(s) from the aligned edges.

10.3 Stitchings

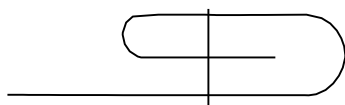
all exposed raw edges: stitching type EFd-1



Stitch over the edge of a ply of material with one row of stitches.

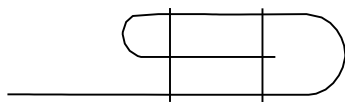
Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	38 of 45

All pocket mouth hems on jacket, thigh pocket hem and bottom hem: stitching type EFb-1



Turn in the specified width at the edge of a ply of material, fold back the turned edge, and stitch the turned-in and folded portion with the appropriate number of rows of stitches.

All pocket mouth hems on trousers (except thigh pocket mouth): stitching type EFb-2



Turn in the specified width at the edge of a ply of material, fold back the turned edge, and stitch the turned-in and folded portion with the appropriate number of rows of stitches.

10.4 Number of stitches

The determination of sewing stitches per unit length will be done in accordance with SANS 5278 "Sewing stitches per unit length"

all seams: 38 ± 4 per 10 cm

overlocking: 32 ± 4 per 10 cm

top-stitching: 36 ± 4 per 10 cm

buttonholes: 12 min. per 1 cm

bar-tacks: 18 min. per 1 cm

buttonholes: 18 min. per button

11. Garment labels

NOTE: Tender samples shall be fitted with a printed label displaying the manufacturer's name or trade mark and size.

11.1 Label identification

Each garment shall be fitted with the labels as given in table 11:

Table 11 – Label identification

Type		Requirements
1.	a woven logo jacquard label	See 11.2
2.	a woven jacquard size label	See 11.3
3.	a garment specific printed woven fabric label*	See 11.4
4.	a care-label*	See 11.5
5.	a paperboard swing tag	See 11.6
*These two labels may be separate labels or a single loop label.		

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	39 of 45

11.2 Jacquard label

Each label shall:

- ◆ be a woven jacquard label
- ◆ edges to be properly finished to prevent fraying
- ◆ information to be in legible and indelible block letters of height at least 3 mm
- ◆ be such that it shall outlast the garment
- ◆ include the following information:
 - the manufacturer's name or trade mark or both
 - the registered full-colour SAA logo at top of label (see figure below)
- ◆ permanently secured and sewn to the centre back collar seam on the inside of the jacket and at the centre back on the inside of the trousers



11.3 Jacquard size label

Each label shall:

- ◆ be a woven jacquard loop label
- ◆ edges to be properly finished to prevent fraying
- ◆ information to be in legible and indelible block letters of height at least 3 mm
- ◆ sewn together with the side edge of the jacquard logo label
- ◆ be such that it shall outlast the garment

11.4 Printed garment labels

Each label shall:

- ◆ be white woven rayon label that is printed
- ◆ comply with SANS 1309 "Printed labels for textiles"
 - information to be in legible and indelible block letters of height at least 3 mm
- ◆ permanently secured and sewn to the back facing
- ◆ be such that they outlast the garments (including the markings)
- ◆ include the following information:
 - the item number
 - order number
 - the year and month of manufacture
 - the VAT no of the contractor
 - the country of origin, i.e. "Made in the RSA"

11.5 Printed care-labelling

Each label shall:

- ◆ be white woven rayon label that is printed
- ◆ comply with SANS 1309 "Printed labels for textiles"
 - information to be in legible and indelible block letters of height at least 3 mm
- ◆ permanently secured to the side seam
- ◆ be such that they outlast the garments (including the markings)

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	40 of 45

- ♦ to provide appropriate care instructions (in accordance with SANS 10011 “Care-labelling of textile piece-goods, textile articles and clothing”) in words and symbols
- ♦ provide the fibre composition of the fabric in accordance with the requirements of SANS 10235 “Fibre content labelling of textiles and textile products”

11.6 Printed swing tags

Each swing tag shall:

- ♦ be a white cardboard printed label
- ♦ information to be in legible and indelible block letters of height at least 3 mm
- ♦ include the following information:
 - the size designation
 - the item number
 - the item description
 - the month and year of manufacture
 - the order number

12. Packaging and marking of packaging

NOTE: NO METAL PINS TO BE USED IN PACKAGING. PLASTIC CLIPS TO BE USED WHERE APPLICABLE.

12.1 Packing

12.1.1 Each jacket and each trouser shall be:

- ♦ delivered in a commercially dry condition
- ♦ so packed that they will not be damaged in transit or in storage
- ♦ individually packed in a plastics envelope of suitable size and shape
- ♦ unless otherwise specified in the order or contract, acceptably packed for transportation in bulk containers

12.1.2 Jackets:

- ♦ of the same size designation, finish, embroidery and colour to be packed together in a bulk container (unless quantities ordered are such that packing together of the same size, colour, finish and embroidery only are not justified)
- ♦ of different size designations, finish, embroidery and colours may also be packed together to accommodate the last part of an order or contract

12.1.3 Trousers:

- ♦ of the same size designation, finish and colour to be packed together in a bulk container (unless quantities ordered are such that packing together of the same size and colour are not justified)
- ♦ of different size designations and colour may also be packed together to accommodate the last part of an order or contract

12.2 Marking

12.2.1 Plastics envelopes

Each envelope to be clearly marked with the following information:

- ♦ the item number
- ♦ the item description
- ♦ size designation
- ♦ the order number

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	41 of 45

- ♦ month and year of manufacture
- ♦ the finish, e.g. AR or FR

12.2.2 Bulk containers

Each bulk container shall have a label securely attached to the outside. This label shall be visible when the containers are stacked and shall provide the information in legible and indelible markings as follows:

- ♦ the manufacturer's name or trade mark or both
- ♦ the order number or contract number
- ♦ the item description
- ♦ the colour
- ♦ the item number
- ♦ the size designation
- ♦ the quantity of the item
- ♦ the **month and year** of manufacture
- ♦ the order number
- ♦ the box number, e.g. "1 of 5"
- ♦ the total mass of the packed container
- ♦ the Inspection Certificate Number
- ♦ the finish, e.g. AR or FR

12.3 Additional marking

When so required by the South African Airways, jackets, trousers, plastics envelopes or containers (or any combination of these) to bear information additional to that specified above.

13. Normative References

The following documents contain provisions which, through reference in this text, constitute provisions of this specification. All documents are subject to revision and, since any reference to a document is deemed to be a reference to the latest edition of that document, parties to agreements based on this specification are encouraged to take steps to ensure the use of the most recent editions of the documents indicated below. Information on currently valid national, international and CKS documents may be obtained from South African Bureau of Standards⁵.

AATCC test method 20, *Fiber analysis: Qualitative*. Available from World Wide Web

http://www.aatcc.org/Technical/Test_Methods/scopes/tm20.cfm

CKS 129, *Colours for textiles*.

CKS 627, *Fusible interlinings*.

ISO 105-C10, *Textiles – Tests for colour fastness – Part C10: Colour fastness to washing with soap or soap and soda*.

ISO 105-E04, *Textiles – Tests for colour fastness – Part E04: Colour fastness to perspiration*.

ISO 105-X12, *Textiles – Tests for colour fastness – Part X12: Colour fastness to rubbing*.

ISO 1833-1, *Textiles – Quantitative chemical analysis – Part 1: General principles of testing*.

ISO 1833-12, *Textiles – Quantitative chemical analysis – Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes and certain other fibres (method using dimethylformamide)*.

ISO 3801, *Textiles – Woven fabrics – Determination of mass per unit length and mass per unit area*.

⁵ **SABS: Tel. +27 (0) 12 4287911**
www.sabs.co.za

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	42 of 45

ISO 13936-1, *Textiles – Determination of the slippage resistance of yarns at a seam in woven fabrics – Part 1: Fixed seam opening method.*

ISO 13937-2, *Textiles – Tear properties of fabrics – Part 2: Determination of tear force of trouser -shaped test specimens - Single Tear Method.*

ISO 15025, *Protective clothing– Protection against heat and flame – Method of test for limited flame spread.*

SANS 70, *Conditioning of textiles and standard temperate atmosphere for determining their physical and mechanical properties.*

SANS 79, *Textiles – Mass per unit area of conditioned fabrics.*

SANS 81, *Width of a textile fabric sample.*

SANS 105-B02/ISO 105-B02, *Textiles – Tests for colour fastness – Part B02: Colour fastness to artificial light: Xenon arc fading lamp test.*

SANS 960, *Textiles - Dimensional stability during washing and drying procedures.*

SANS 1309, *Printed labels for textiles.*

SANS 1362, *Sewing threads.*

SANS 1423-1, *Performance requirements for textile fabrics of low flammability Part 1: Apparel fabrics.*

SANS 1822, *Slide fasteners.*

SANS 1823, *Touch and close fasteners.*

SANS 1457, *Plastics buttons.*

SANS 50471, *High visibility warning clothing for professional use – test methods and requirements.*

SANS 5966, *Removable non-fibrous material content of textiles (scouring method).*

SANS 6009, *Abrasion resistance of textile fabrics (Martindale test).*

SANS 7211-2/ISO 7211-2, *Textiles - Woven fabrics - Construction - Methods of analysis Part 2: Determination of number of threads per unit length.*

SANS 10076-1, *The assessment of defects in textile piece-goods and made-up articles – Part 1: Defects in woven piece-goods (cellulosic and cellulosic blends).*

SANS 10011, *Care-labelling of textiles and clothing.*

SANS 11167, *Textiles - Dimensional stability during domestic washing and drying procedures.*

SANS 10235, *Fibre-content labelling of textiles and textile products.*

SANS 10371, *Terms and definitions for clothing.*

SANS 13934-1/ISO 13934-1, *Textiles – Tensile properties of fabrics Part 1: Determination of maximum force and elongation at maximum force using the strip method.*

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	43 of 45

ANNEX A

(Normative)

Special conditions of tender

A-1 GENERAL

- A-1.1** Unless otherwise stated, the South African Bureau of Standards, shall be the inspecting authority.
- A-1.2** Three pre-production sample jackets and trousers of different size designations (of each colour and type of fabric) shall have been inspected, tested and approved by the inspecting authority before bulk production is commenced. Each one of these samples shall be accompanied by a trim chart containing a sample of each component material (as given in 6) and the relevant certificates. It shall be the duty of the manufacturer to give adequate notice to the inspecting authority of the availability of these samples.
- A-1.3** The coveralls shall be subject to inspection during the course of manufacture. The inspector shall, during normal working hours, be given all reasonable facilities for carrying out his duties and shall have the right of entry into the contractor's factory and the factory or works of any subcontractor where work on coveralls supplied to this specification may be in progress
- A-1.4** The contractor shall inspect the finished coveralls for compliance with the specification before submitting them to the inspecting authority for final inspection.
- A-1.5** Before acceptance, the coveralls shall have been inspected and tested by the inspecting authority and found to comply with the requirements of the specification.

A-2 DOCUMENTATION

One container of each consignment shall be marked "DOCUMENTS" and in addition to the coveralls, shall contain the following:

- a) The packaging slip or delivery note;
- b) where applicable the inspection certificate(s);
- c) a copy of the invoice containing the following information:
 - the order number
 - the financial authority number
 - a full description of the consignment, i.e. National stock number, quantity, etc

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	44 of 45

ANNEX B

(Normative)

CKS 129 Colours

Due to the fact that colours can change over a period of time, any colour standard which has been registered for a period of SEVEN YEARS or more shall be considered obsolete. These standards shall then be allocated an archived status (as opposed to current status) and re-registration shall be required.

A. The following scenarios require a submission of three metres of fabric from the successful tenderer:

1. A colour standard is archived.
2. First time registration is required (CKS 129 colour number does not exist).
3. Colour swatch stock at the SABS is no longer available.

B. Requirements regarding the submission of fabric as identified in A:

1. The colour shall be as agreed upon between the South African Airways and the successful tenderer.
2. The fabric shall be used to make new colour swatches which shall be the responsibility of the SABS.
3. The cost of the three metres of fabric shall be incorporated in the relevant tender submission.

HISTORY SHEET				
DOC ISSUE	DATE	AMENDMENTS/HISTORY	CHECKED	
			NAME	INIT.
1	June 2010	First release		
2	March 2014	Change outer material Add DTI note Add reference to tender samples Delete women's trousers size chart Add identification label Add reference to FR and AR Change size designation Add to slide fastener requirements as per SANS 434		
3	April 2014	Corrected ref to correct tables.		

Doc No	Item Numbers	Date	Version	Page
SAA2009	TM16, TM17, TM18 & TM19	Sept 2019	04.0	45 of 45