

# PRIVATE SPECIFICATION

Prepared for the



**SOUTH AFRICAN AIRWAYS**

A STAR ALLIANCE MEMBER 

## TWO-PIECE HARDBODY UPRIGHT CHECKED SUITCASE SET



**Item Numbers: C090 & C092**  
**Document Number: SAA2015**  
**Version 03.0/April 2014**

# 1. Scope

This specification covers the material and make of a two-piece hardbody upright checked suitcase set for personnel of the South African Airways. The two-piece set shall consist of the following as given in table 1:

Table 1 – Suitcase types

Size	Dimensions in cm:	Item No.	General:
Small	70 x 45 x 25	C092	Suitcases shall be able to nest one inside the other
Large	79 x 53 x 28.5	C090	

NOTE 1: Acceptable tolerances on dimensions are given in section 8.

NOTE 2: Each suitcase shall carry a 5-year warranty (see section 12).

# 2. Definitions and Abbreviations

For the purpose of this specification the following definitions shall apply:

<b>Acceptable:</b>	Acceptable to the South African Airways
<b>Nominal:</b>	Subject to the tolerances normal to good manufacturing practice
<b>SANS:</b>	South African National Standard
<b>TSA:</b>	Transportation Security Administration

# 3. Style

The style is as follows:

- ◆ vertical, upright design
- ◆ polypropylene body with a tongue-in groove closure
- ◆ hinge that is part of the moulded suitcase body with a centre rod
- ◆ extendable telescopic aluminium trolley handle, with various locking positions and recessed handle
- ◆ spring-loaded side and top carry handle that is recessed when not in use (top refers to suitcase when in an upright position)
- ◆ side to be fitted with a SINGLE TSA combination lock with recessed dials
- ◆ four-wheel glider system at bottom of suitcase
- ◆ top of suitcase to be fitted with two recessed securing moulded clasps with integrated standard key lock (top refers to suitcase when in an upright position)
- ◆ bottom of suitcase to be fitted with a single securing clasp with integrated standard key lock (bottom refers to suitcase when in an upright position)
- ◆ internal divider made of mesh fabric and cardboard covered material
- ◆ one internal utility pouch
- ◆ elastic cross straps with moulded plastics clip
- ◆ each suitcase shall make provision for the attachment of a name plaque
  - each suitcase to incorporate four punched holes
  - the name plaques shall be supplied as separate components with each shipment OR when names have been supplied by SAA, the suitcases shall be delivered with the name plaques securely riveted to the exterior
- ◆ the exterior of each suitcase shall be fitted with a moulded badge containing the SAA tail logo
- ◆ in addition, each suitcase shall be supplied with an adjustable webbing strap that incorporates a 3-dial TSA approved lock

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## 4. Illustrations

Illustrations are not to scale. Illustrations and digital images are included to serve as guidelines only. The images are purely for the convenience of the users of this specification and suppliers are invited to submit similar type products, with the understanding that the submitted samples will include style and structural deviations. Structural, style and size deviations to be clearly noted in the tender submission.

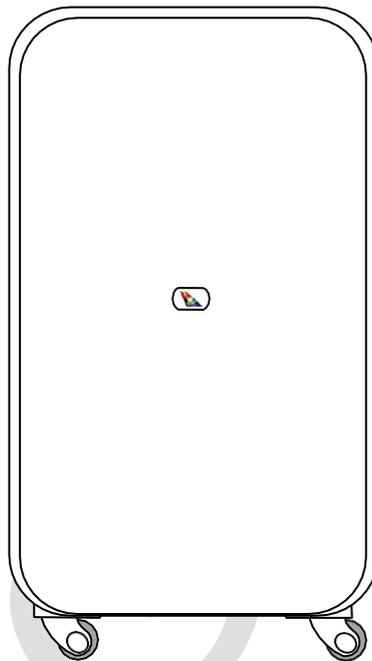


Figure 1 – Example of face side

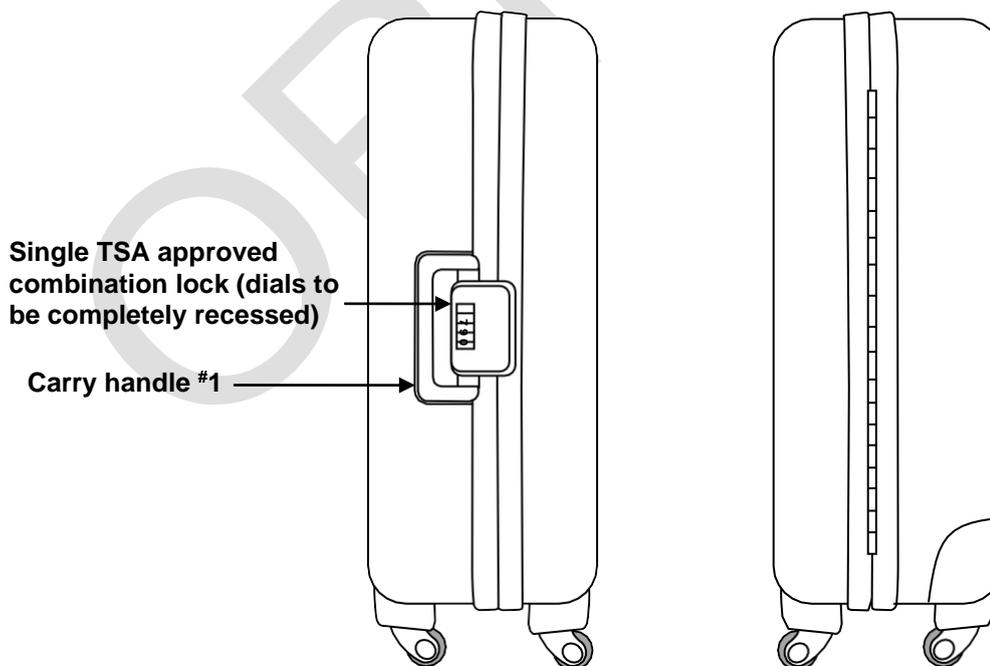


Figure 2 – Examples of side views

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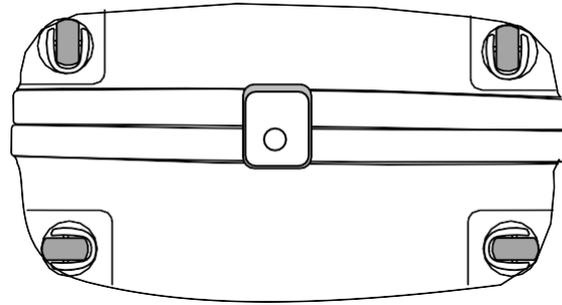


Figure 3 – Example of bottom view

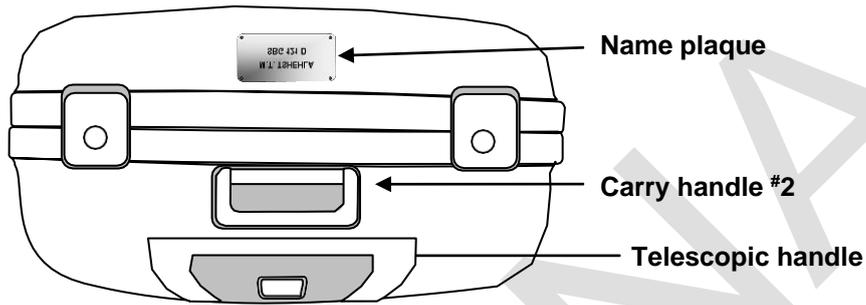


Figure 4 – Example of top view (in relation to figure 3)



Figure 5 – Examples of telescopic handles

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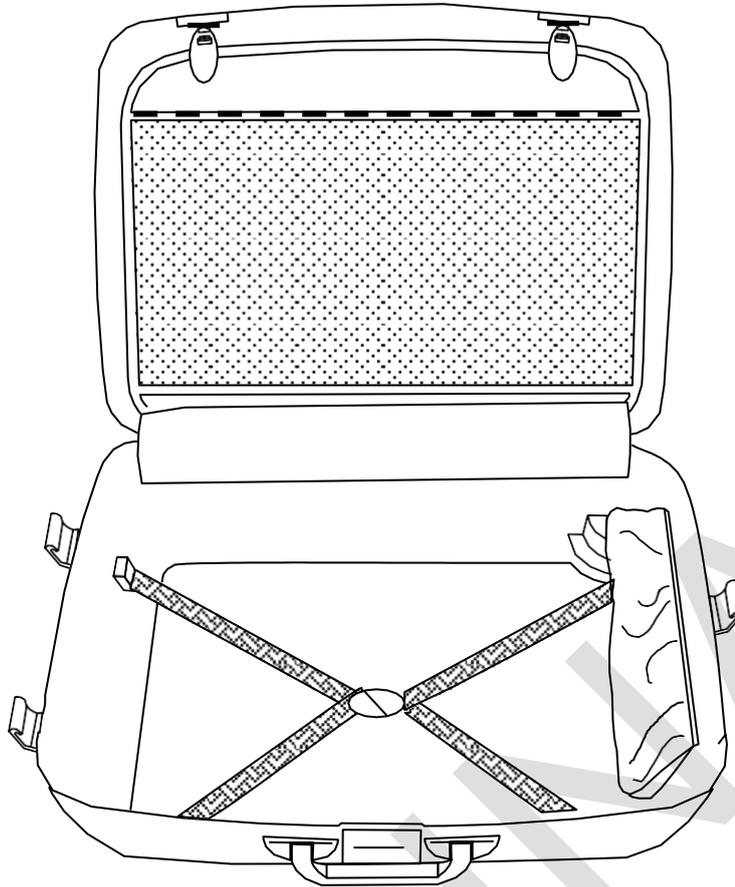


Figure 6 – Possible arrangement of internal components

## 5. Client Furnished Materials

No materials will be supplied by the South African Airways.

## 6. Component Materials

The following materials shall be supplied and used by the manufacturer.

**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 Exterior component materials

#### 6.1.1 Shell

- ◆ matt black 100% virgin polypropylene material
- ◆ of nominal thickness 3.2 mm<sup>1</sup>

<sup>1</sup> The thickness of the shell might be less than 3.2 mm but attention is drawn to the warranty requirements of this product (see section 12, pg. 16).

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- ◆ moulding of body halves to make provision for a hinge channel, tongue-and-groove closure

### 6.1.2 Injection moulded polypropylene components

Colour to be black or grey (as agreed upon between the successful tenderer and SAA)

- ◆ side and top carry handle
- ◆ securing claps with release buttons
- ◆ **single TSA approved combination lock**

NOTE: The dials on the combination lock shall NOT protrude and be completely recessed.

### 6.1.3 Wheels

Colour to be black or grey (as agreed upon between the successful tenderer and SAA)

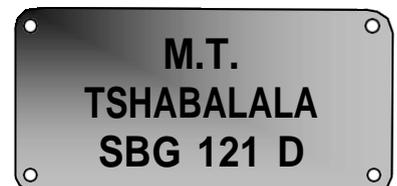
- ◆ covers/tyres of wheels to be industrial, heavy duty polyurethane (PU)
- ◆ core of wheel to be of polypropylene and polyamide
- ◆ wheel housings to be of polyamide
- ◆ 4-wheel glider system
- ◆ to be smooth and diameter of wheels to be such as to be fit for purpose

### 6.1.4 Hinge rod

- ◆ of an acceptable intrinsically corrosion-resistant material, e.g. graphite
- ◆ of nominal diameter 2 mm – 3 mm
- ◆ of such diameter that it shall acceptably fit into the moulded hinge channel

### 6.1.5 Name plaque

- ◆ acceptable metal alloy with a matt appearance (NOT nickel plated)
- ◆ such that the engraved information is easy to read
- ◆ of nominal thickness 1, 2 mm
- ◆ rectangular with rounded corners and engraved
- ◆ to correspond with the information as given in paragraph 9.2
- ◆ engraving shall be centrally positioned on the plaque
- ◆ nominal depth of engraving shall be 0.5 mm
- ◆ engraved letters and numbers shall be colour-filled with BLUE PAINT
  - the paint shall be confined to the engraved letters and numbers
  - the colour-filled sections shall be free from bubbles, spots, inclusions and cracks
- ◆ font type shall be: Trade Gothic (BOLD)
- ◆ letters to be equidistantly spaced
- ◆ the name plaque shall contain the following information:
  - Initials and surname of staff member
  - Pension number of staff member
- ◆ nominal outside diameter of plaque to be:
  - Length: 80 mm
  - Width: 40 mm



**NOTE 1:** If initials and surname are longer than the specified length of the plaque, the font size may be reduced AND/OR the initials may be positioned at the top, followed by the surname directly below.

**NOTE 2:** The Trade Gothic font family is available for purchase online. The successful bidder shall purchase a licensed copy of the relevant font.

**NOTE 3:** Attachment of name plate shall not affect the warranty in any way.

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### 6.1.6 Shaft of trolley handle

- ◆ to be of superior quality aluminium
- ◆ to be of such quality as to outlast the expected life cycle of the suitcase
- ◆ finish to be as agreed upon between the SAA and the successful bidder

### 6.1.7 Sealing strip

- ◆ an acceptable extruded strip
- ◆ to fit along the outer edges of the upper suitcase half (fits above the tongue section to ensure appropriate sealing of the tongue-in-groove closure)
- ◆ not to become brittle
- ◆ to be black

### 6.1.8 Shaft handle (top of trolley handle)

- ◆ to be of an acceptable material that shall last the full term without cracking
- ◆ to be of such quality as to outlast the expected life cycle of the suitcase
- ◆ colour to be black

## 6.2 Interior component materials

### 6.2.1 Lining fabric

- ◆ an acceptable woven polyester fabric of 150 Denier (minimum)
- ◆ to comply with the relevant requirements as given in table 2 of SANS 1392:2002
- ◆ colour to be an acceptable dove grey colour
- ◆ to be supplied in three variations:

#### 6.2.1.1 Type A

- ◆ lining fabric (as given in 6.2.1) without additional finishes

#### 6.2.1.2 Type B

- ◆ lining fabric (as given in 6.2.1) bonded to an acceptable foam sponge of nominal thickness 1 mm
- ◆ requirements for bonded material
  - lining shall be acceptably bonded to the foam padding in such a way that the bonded material shall adhere to the following:
    - ⇒ shall not part when cleaned with a damp cloth
    - ⇒ has a uniform finish
    - ⇒ is free from perforations, untreated areas and other imperfections (e.g. blisters and ripples)
  - the adhesive used for bonding shall
    - ⇒ not contain any constituent that may have a toxic or irritating effect on the skin
    - ⇒ be such that it adheres to both materials and will not under any circumstances emit an unpleasant odour

#### 6.2.1.3 Type C

- ◆ lining fabric (as given in 6.2.1) coated on the technical reverse side for reinforcement of the fabric

### 6.2.2 Mesh fabric

- ◆ to be an acceptable knitted synthetic mesh fabric
- ◆ to have a minimum bursting strength of 275 KPa when tested in accordance with SANS 13938-1
- ◆ colour to be an acceptable match to the colour of the lining fabric

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### 6.2.3 Binding webbing/tape

- ◆ an acceptable synthetic webbing
- ◆ to have a herringbone design
- ◆ of nominal thickness 1 mm
- ◆ of nominal width 20 mm
- ◆ colour to be an acceptable match to the colour of the lining

### 6.2.4 Elastic webbing

- ◆ to comply with the requirements for type 1 of SANS 142
- ◆ retaining cross straps positioned in bottom half of suitcase: of nominal width 25 mm (bottom half refers to when suitcase lies flat)
- ◆ attachment straps for divider: of nominal width 20 mm
- ◆ elastic for pocket mouth hems: 15 mm
- ◆ an acceptable match to the colour of the lining

### 6.2.5 Slide fasteners (zips)

- ◆ a typical example of suitable products are supplied by YKK<sup>2</sup>
- ◆ to comply with the relevant requirements for type C slide fasteners of SANS 1822
- ◆ self-repairing nylon
- ◆ attached to the interior divider in top half of suitcase
- ◆ colour to be an acceptable match to the colour of the lining
- ◆ a two-way closed end slide fastener

### 6.2.6 Additional moulded components

- ◆ attachment clips of divider
- ◆ centre clip of retaining cross straps
- ◆ to be of polypropylene or of an acceptable alternative material
- ◆ colour to be an acceptable match to the colour of the lining

### 6.2.7 Sewing threads

- ◆ to comply with relevant requirements of SANS 1362 "Sewing threads"
- ◆ colour to be an acceptable match to the colour with which it is used
- ◆ continuous filament polyester
- ◆ ticket No. 36

### 6.2.8 Screw and washers, pop rivets, press studs

- ◆ all screws, washers and pop rivets shall be of appropriate size for the function used to allow neat connections and fixtures of components
- ◆ all of the above mentioned to be treated with a metallic coating to inhibit rust
- ◆ the press studs shall be plated to ensure that it is corrosion resistant and nominal inside diameter of hole in female section to be 10 mm

<sup>2</sup> 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.

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## 6.3 Webbing for securing straps

- ◆ to comply with the requirements as given in table 2
- ◆ application will be as given in paragraph 9.5
- ◆ colour to be black

**Table 2 – Webbing requirements for securing straps**

1	2	3
Property	Requirement	SANS number (unless otherwise indicated)
<b>Composition, %</b> .....	All continuous filament polyester or Nylon	AATCC 20
<b>Selvedge</b> .....	Lockstitch	Physical analysis
<b>Width, min.</b> .....	50 ± 1	5488
<b>Thickness, mm</b> .....	0.1 ± 0.10	85
<b>Breaking strength, min. kN</b> .....	13.0	13934-1
<b>Mass per length, min.</b>		
<b>Kg/100 m</b> .....	3900	5330
<b>Number of weft threads per 10 cm</b> .....	165 ± 2	
<b>Colourfastness to water, rating, min.</b>		105-E01
Change in colour .....	4-5	
Staining .....	4-5	
<b>Colourfastness to light, rating, min.</b> .....	5-6	105-B02

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## 7. Workmanship

### The suitcases shall be:

- ◆ assembled from high quality components 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 or scratches, spots or stains, incurred in the making-up
- ◆ sharp mould lines or edges.

### 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

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## 8. Sizes and dimensions

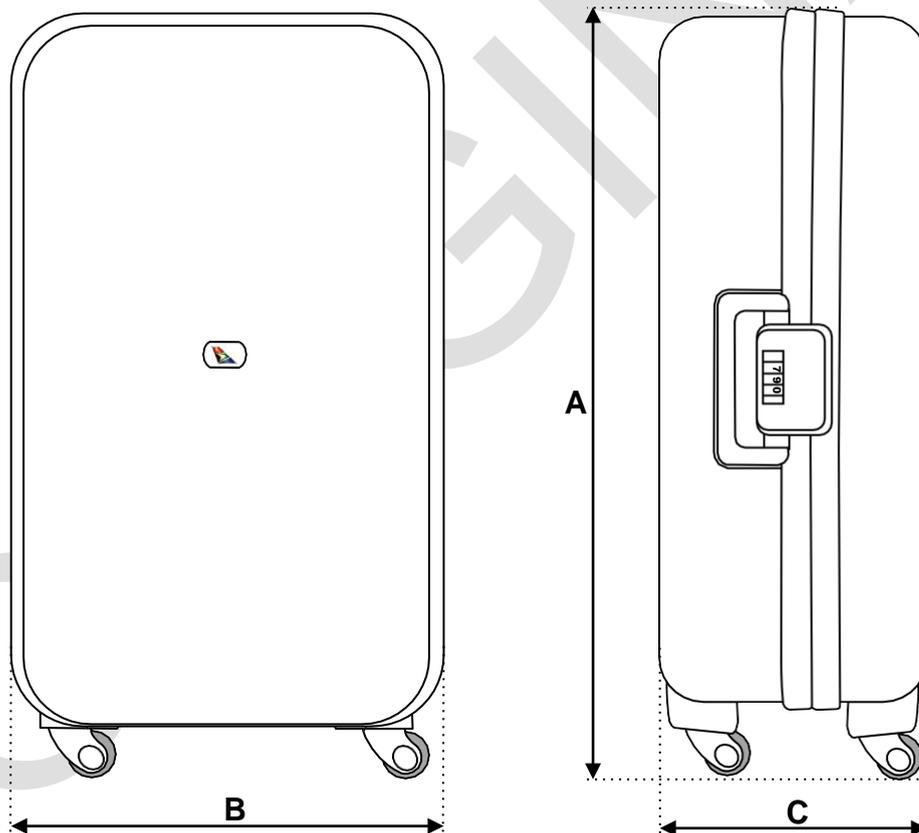
- ♦ to be supplied in two sizes
- ♦ to be supplied as given in table 3

Table 3 – Size requirements

Size:	Dimensions <sup>a</sup> in cm:	Weight in kg (max.)	Volume in ℓ: <sup>a</sup>	General:
Small	70(A) x 45(B) x 25(C)	5.01	59	Suitcases shall be able to nest one inside the other
Large	79(A) x 53(B) x 28.5(C)	6.14	95	

<sup>a</sup> A tolerance of  $\pm 5\%$  will be deemed acceptable.

If the supplied product(s) weigh more and/or dimensions deviate from above, it shall be clearly stated in the tender submission.



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# 9. Construction

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

## 9.1 General

The suitcase shall consist of the following exterior sections:

- ◆ upper and lower suitcase halves of moulded 100% virgin polypropylene
- ◆ side and top carrying handle and spring-loaded telescopic pull-along handle
- ◆ various other moulded components attached to the moulded halves
- ◆ securing clasps
- ◆ corner wheels

The suitcase shall consist of the following interior sections:

- ◆ suitcase divider constructed of lining material and mesh fabric
- ◆ internal pouch of Type 1 lining
- ◆ elastic retainer with centre plastic clip fastener

## 9.2 Exterior

- ◆ the polypropylene moulded halves of the suitcase shall be smooth and without any folds or sharp angles to the touch
- ◆ upper half of suitcase shall be fitted with an extruded plastics strip (sealing strip) along the outer edges to ensure that the tongue-in-groove closure seals acceptably
- ◆ the hinge of the suitcase shall consist of
  - a moulded interlocking channel formed by the upper and lower moulded halves of the suitcase
  - channel to be fitted with a rod
- ◆ on Small sized suitcases, the nominal total length of the hinge to be 46 cm (given for guidance)
- ◆ on Large sized suitcases, the nominal total length of the hinge to be 57 cm (given for guidance)
- ◆ the  **housings for the lockable securing clasps**  shall fit neatly into the moulded lower half of the suitcase and the hook of the clasp shall align with the indent in the upper half of the suitcase for an easy closing action
  - the top of the suitcase (refers to when suitcase is in an upright position) shall be fitted with two securing clasps that shall each be fitted with a standard key lock and be recessed
  - the bottom of the suitcase (refers to when suitcase is in an upright position) shall be fitted with a single securing clasp that is fitted with a standard key lock and be recessed
- ◆ two carry handles shall be attached to the side and top of the suitcase, respectively (refers to when suitcase is in an upright position)
  - carry handles shall be centrally positioned
  - carry handles to be recessed to the functional maximum to avoid that it adds to the outer dimensions of the suitcase
- ◆ fitted with a single TSA approved combination lock (see 6.1.2 and figure 2)
- ◆ the telescopic trolley handle shall protrude from the top and inserted in the lower half of the suitcase
  - to be sturdy and attached in such a way as to withstand excessive force during use
  - to comply with the requirements as given in section 10
- ◆ corner wheels shall be so attached that the sideways movement (wobble of the wheel) shall not be more than 1 mm when measured at any point on the wheel extremity
- ◆ the wheels shall be so attached that it rotates freely at 360° without any interference from other components and recessed to the functional maximum
  - wheels to be positioned and recessed in such a way that it adds the minimum to the outer dimensions of the suitcase
  - care shall be taken that when the suitcase is pulled by the pull-along handle, the base is an appropriate

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- distance from the ground (does not touch the ground that might cause damage to the shell)
- ◆ four punched holes that shall be in corresponding positions to the drilled holes in the name plate
  - the holes shall be punched in the upper half of the suitcase (as given in figure 4)
  - such that the attachment of the name plate shall not weaken the shell or jeopardize the integrity of the suitcase in any way
  - the name plate shall:
    - comply with the information given in 6.1.5
    - either be securely attached to the suitcase by means of rivets (when names have been supplied by SAA) OR supplied as separate components with each shipment
- ◆ be fitted with a moulded badge containing the registered full-colour logo of the South African Airways (tail only)
  - to have a black background
  - have an oval shape
  - outer dimensions as follows: 25 mm (h) x 50 mm (l)
  - to be centrally positioned on the front of the upper half of the suitcase, facing forward
  - **badge shall NOT stand proud of the shell (to lie flush with shell)**
  - the supplier's name or trademark may be discreetly applied in a monotone colour and the position shall be as agreed upon between the South African Airways and the supplier

## 9.3 Interior

**NOTE 1: The interior components, design and layout as described below serve as an example of an acceptable option. Similar type products will be considered, with the understanding that design and layout variances will occur.**

**NOTE 2: All lining seams shall be lapped, double stitched seams (where possible), to reduce the risk of having torn seams.**

### 9.3.1 Upper half

**The divider shall:**

- ◆ consist of lining covered strips of cardboard at the top and bottom of the divider with front mesh fabric pocket
  - mesh pocket to incorporate a mouth opening that shall be fitted with a slide fastener that shall extend along the full length of the pocket
  - outer edges of mesh pocket to be reinforced in such a way that the binding shall not tear away from the mesh for the full life expectancy of the suitcase
  - Type B lining to be used at the top strip
- ◆ be such that all free/raw edges and seams are bound with webbing or tape
- ◆ be such that the corners are cut in such a way as to conform to the curvature of the suitcase body
- ◆ be permanently attached to the upper half of the suitcase (side closest to the hinge) with three equidistantly spaced screws and washers
- ◆ be detachable
- ◆ top outer edges of the divider shall be fitted with a fastening mechanism that shall hook to the inner body shell
  - the fastening mechanism shall consist of two interacting/interlocking components
    - the female section shall be permanently attached to the top outer corners of the divider
    - the male interlocking component shall be permanently attached to the inside of the body of the suitcase
    - a length of double folded elastic webbing shall be threaded through the female section to allow movement when male and female sections are attached
    - male and female sections to be in corresponding positions
- ◆ fitted with a printed fabric label (See section 11)

### 9.3.2 Rectangular hinge covering

- ◆ of Type C lining material
- ◆ rectangular with side edges folded in and edge-stitched
- ◆ top edge to be attached to the bottom edge of the divider (attached simultaneously to the inside of the upper half of the suitcase)
- ◆ bottom edge to be permanently attached to the inside of the lower half of the suitcase
- ◆ centrally positioned (in the length) over the hinge

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- ◆ shall not interfere or be a hindrance to the opening and closure of the suitcase
- ◆ bottom edge to be positioned in such a way as to ensure that when the two halves of the suitcase are fully opened, the fabric hinge covering shall fit comfortably over the hinge and shall experience no strain

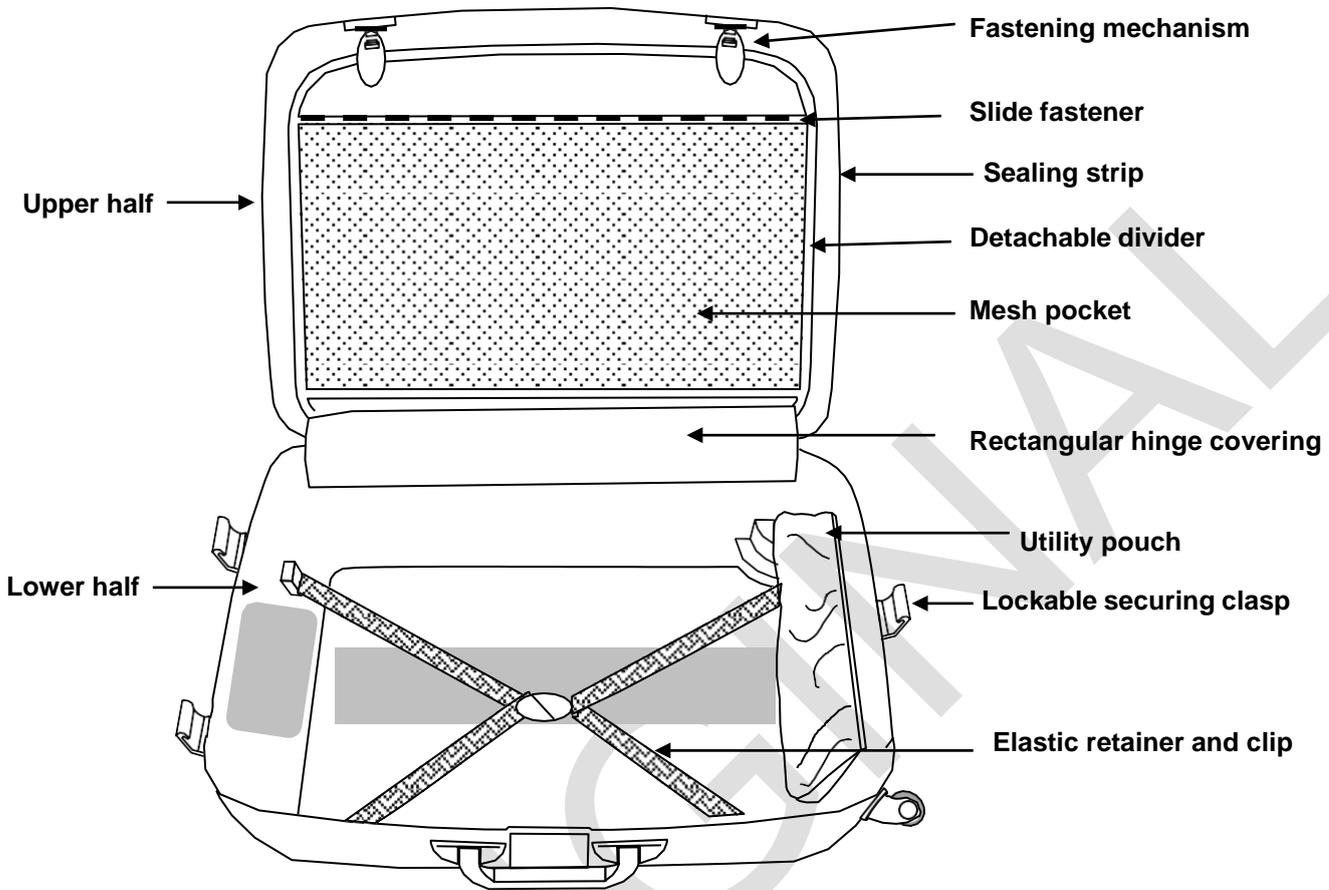


Figure 7 – Component identification (possible arrangement)

### 9.3.3 Lower half

- ◆ **The utility pouch:**
  - of double folded Type 1 lining material
  - rectangular
  - to be detachable (e.g. attached to outer shell by means of hooks or press-studs or any other acceptable method)
  - mouth to be fitted with elastic webbing and rucked with two rows of stitchings
  - of minimum dimensions 47 cm x 14 cm (extended measurements)
  - seams to be bagged out or lapped seams
- ◆ **Elastic retainer and clip:**
  - to consist of two lengths of elastic webbing and clip mechanism
  - cut edges of elastic webbing to be attached to moulded fixtures positioned at the outer corners of the base of the lower half of the suitcase
  - the male and female sections of the clip shall be threaded through the elastic webbing lengths respectively
  - there shall be no twists in the elastic when the male and female sections of the clip are pulled toward the centre of the suitcase

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## 9.4 Pop rivets, screw and other fasteners

- ◆ shall be level with the exterior (NOT stand proud)
- ◆ all moulded components shall be securely attached to the preformed suitcase halves in such a way that:
  - where pop rivets are used, they shall be level with the exterior of the suitcase body where screws, washers, nuts and alternative fasteners are used, they shall be:
    - either covered with a patch of high density foam of thickness at least 1 mm on the inside of the suitcase OR be countersunk into the relevant moulded component
    - be covered with appropriate substance to prevent them from coming undone
  - where staples are used, they shall not be exposed and covered with material in the final product

## 9.5 Securing webbing straps

Each individual suitcase shall be accompanied by a securing webbing strap that shall be as follows:

- ◆ to be made from webbing that complies with the minimum requirements as specified in paragraph 6.3
- ◆ strap to be adjustable
- ◆ to incorporate a permanently affixed moulded fitting that shall house a recessed 3-dial TSA approved lock
- ◆ capable of properly securing the suitcase should the main suitcase locking mechanism fail during use AND/OR to serve as additional security

## 9.6 Plastics envelope

- ◆ a clear plastics envelope shall be placed on the inside of each suitcase
- ◆ each be fitted with two keys for the lockable securing clips on the sides and an information leaflet (see 9.7)
- ◆ mouth opening to have a pull-and-press opening

## 9.7 Information leaflet

Each leaflet to include step-by-step instructions on how the three-dial combination lock can be locked, be unlocked and how the combination can be changed.

# 10. Functionality/ performance

## 10.1 General performance requirements

When the suitcase is fully opened, it shall be able to lie flat on the floor.

All handles shall be spring loaded and recessed when not in use.

The attachment mechanism of the fabric divider shall easily hook into the hooks, and the divider shall remain attached when the suitcase is closed.

The telescopic handle shall be locked when recessed (completely down position).

The telescopic handle shall have a release button to allow the telescopic handle to adjust.

The telescopic handle shall lock at least at two positions and shall be as given in table 4

**Table 4 – Length of telescopic trolley handle**

Size	Fully extended	First locking position	Second locking position
	Measured from floor to top of handle		
Small	98.5 cm	76 cm	93 cm
Large	107 cm	85.5 cm	102.5 cm

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The centre clip attached to the elastic webbing in the lower half of the suitcase shall fasten and release with ease, but shall stay in a locked position when the elastic webbing is extended to accommodate the maximum height of the contents of the suitcase.

## 10.2 Durability performance requirements

The strength of the suitcase shall be such that it passes the impact and rough handling test given in 5.5 of SANS 1392, as well as the freezing followed by dropping test given in 5.6 of SANS 1392:2002.

The strength of the suitcase handles and of its attachments shall be such as to pass the test given in 5.7. of SANS 1392:2002.

All locks shall be able to withstand being open and closed 10 000 times.

Wheels shall be able to withstand the following endurance test:

- ◆ 25 km at 0.5 km/hour with intended load, i.e. 32 kg at 20 mm ramp height
- ◆ after completion, a visual assessment shall be conducted on the wheels treads, wheel alignment and wheel mounting assemblies

## 11. Labels

Each suitcase shall be fitted with a label that is permanently secured to the interior (lining fabric).

**Each label shall:**

- ◆ be a 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 lining fabric (interior) on inside
- ◆ be such that it shall outlast the suitcase (including the markings)
- ◆ include the following information:
  - the item number
  - the manufacturer's name or trade mark or both
  - the month and year of manufacture and order number

## 12. Warranty

Each suitcase shall carry a 5-year warranty.

**The following shall be covered by the warranty:**

- ◆ faulty workmanship
- ◆ all working parts (including locks on suitcases AND securing webbing straps)
- ◆ handles and wheels

**The warranty excludes the following:**

- ◆ damage by a third party
- ◆ abuse by the owner

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The warranty shall make provision for the following:

- ◆ damaged components (excluding outer shell): repair or component replacement required
- ◆ damaged outer shell: new suitcase to be issued

## 13. Preparation, marking and packaging

### 13.1 Packing

The suitcases shall be:

- ◆ delivered in a commercially dry condition
- ◆ individually packed in plastics envelope
- ◆ packed with small suitcases nested in large size suitcases and packed in a sturdy container (cardboard box) in such a way that they will not be damaged in transit or in storage

**Cardboard boxes:**

Each cardboard box shall have a label securely attached to the outside. This label shall be visible when the boxes 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(s)
- ◆ the item number(s)
- ◆ the sizes
- ◆ the quantity of the item
- ◆ the month and year of manufacture
- ◆ the order number
- ◆ the box number, e.g. "1 of 100"
- ◆ the total mass of the packed container
- ◆ the Inspection Certificate Number

### 13.2 Additional marking

When so required by the South African Airways, medium sized suitcases, large sized suitcases, envelopes or containers (or any combination of these) to bear information additional to that specified above.

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# 14. 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 the 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 SABS Standards Division<sup>3</sup>.

**AATCC test method 20**, *Fiber analysis: Qualitative. Available from World Wide Web*  
[http://www.aatcc.org/Technical/Test\\_Methods/scopes/tm20.cfm](http://www.aatcc.org/Technical/Test_Methods/scopes/tm20.cfm)

**SANS 85**, *Thickness of wool fabrics.*

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

**SANS 105-E01/ISO 105-E01**, *Textiles – Tests for colour fastness – Part E01: Colour fastness to water.*

**SANS 142**, *Narrow elastic fabric and strip.*

**SANS 1309**, *Printed labels for textiles.*

**SANS 1362**, *Sewing threads.*

**SANS 1585**, *Coated fabrics for shelters and rainwear.*

**SANS 1822**, *Slide fasteners.*

**SANS 1823**, *Touch and closed fasteners.*

**SANS 1392:2002**, *Soft-top suitcases.*

**SANS 5266**, *Water resistance of textile fabrics: Variable head test.*

**SANS 5330**, *Mass per unit length of conditioned textile fabrics.*

**SANS 5488**, *Width of ribbons and other narrow fabrics.*

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

**SANS 13938-1**, *Textiles - Bursting properties of fabrics Part 1: Hydraulic method for determination of bursting strength and bursting distension.*

<sup>3</sup> SABS: Tel. +27 (0) 12 4287911  
[www.sabs.co.za](http://www.sabs.co.za)

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**ANNEX A**  
**(Normative)**  
**Special conditions of tender**

**A-1 GENERAL**

**A-1.1** A SANAS accredited laboratory shall be the inspecting authority and shall conduct all relevant tests.

Five (5) sample suitcase sets shall be submitted together with each tender offer and shall be for the tenderer's account.

Five (5) sample suitcase sets shall be requested for pre-production samples of which one shall be exposed to destructive testing.

NOTE 1: All sample pieces shall be submitted with attached name plaques. Name plaques to comply with the information as given in paragraph 6.1.5. Name list to be supplied by SAA".

NOTE 2: SAA shall return all relevant samples to unsuccessful tenderers.

**A-1.2** **The above mentioned sample bags shall be accompanied by test reports and certificates of compliance on all components (as well as the confirmation of the composition of the outer material) as issued by a certified registered certification body.**

**A-1.3** The samples and relevant compliance certificates shall have been inspected, tested and approved by the inspecting authority before bulk production is commenced. It shall be the duty of the manufacturer to give adequate notice to the inspecting authority of the availability of the samples.

**A-1.4** The suitcases 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 suitcases supplied to this specification may be in progress.

**A-1.5** The contractor shall inspect the finished suitcases for compliance with the specification before submitting them to the inspecting authority for final inspection.

**A-1.6** Before acceptance, the suitcases 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 suitcases, 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, e.g. quantity, etc

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