DESERT BOOT WITH ZIPPER (REF. ML 100 D)

TECHNICAL SPECIFICATION

NATO STOCKS NR: 8430270168975 CE ENISO 20347:2004 O1 FO ORO







1-SUBJECT

This specification covers the technical specifications, control and test methods of Desert long neck boot – style ref. ML 100 New Version.

The following NATO Stock Numbers (NSN) is covered by this specification:

NATO STOKS NR. 8430270168975

2- SPECIFICATIONS

A. GENERAL

This boot is designed according to the desert conditions. All materials provide comfort and flexibility in desert conditions.

Soft and good quality cow leather in desert colour

Padded collar for comfort

Breathable linings

Flexible ankle part

The zipper on side for Easy fastening (Wear and Move)

Eyelets are resistant against rust.

Supported ankle and toe

Sweat absorber, anti-bacterial, anti-static sock insert (inlay sole)

There is an optional second inlay sole to adjust the fitting of foot inside boot

to reach the best comfort

Available fittings are medium and large

Direct injection double density polyurethane sole durable against hydrolysis in very hot and humidity environment

Size range is between 36 – 48 French Sizing / 3 – 13 British Sizing Standards: NATO and European (ENISO 20347 –01 O1 FO ORO)

B. TECHNICAL SPECIFICATION

UPPER LEATHER:

Upper Material: Cow suede leather

Colour: Desert

Thickness:

Breaking strength:

1.8 mm (minimum)

2.2 kg/mm² (minimum)

Tearing strength:

2 kgf (minimum)

pH value: 2 kgf (minimum) 3,2 (minimum)

OUTER / CANVAS:

Material: Nylon 6.6 Cordura by Invista

Colour : Desert Camouflage Property : Water Resistant

Tensile strength: Warp: 275 kgf (minimum)

Weft: 230 kgf (minimum)

Tearing strength: Warp: 35 kgf (minimum)

Weft: 35 kgf (minimum)

Water Repellency: 4 (minimum)
Colour Fastness: 4 (minimum)

LINING:

Property: Breathable, sweat absorber, anti-bacterial

Material: Woven textil

Abrasion: Dry - 25600 revs (minimum)

Wet - 12800 revs (minimum)

Tearing strength: Warp: 2.5 kgf (minimum)

Weft: 2.5 kgf (minimum)

LASTING INSOLE BOARD:

Property: Anti-static, anti-bacteriel, sweat absorber

Material: Non-woven bonded fibre board

Thickness: 2,5 mm (minimum)
Cracking angle: 90 degree (minimum)

SUPPORTS:

Toe cap support : Thermoplastic fibre board

Thickness: 1,8 mm (minimum)

Ankle (stiffener) support : Thermoplastic fibre board

Thickness: 1,6 mm (minimum)

Collar Support: 6mm, 65 density PU foam
Ankle Support: 6mm, 65 density PU foam
Tongue Support: 10mm, middle density sponge

ACCESSORIES AND OTHERS:

Eyelets (holes): 9 pairs per boot

Rustproof

Bronzed colour

Zipper: Rough plastic (YKK Brand)

20 cm (minimum)

Zipper Puller Cover: Cow suede leather in desert colour

Fixed by polyamide or polyester velcro (YKK)

Sewing thread: Polyester or Polyamide Laces: Polyester or Polyamide

Round shape (wick inside) Length: According to the boot Inlay Sole (Footbed): Micro fiber coated PU – Anti-static, sweat

absorber, anti-bacterial

The boot has two different types of detachable footbeds (inlay soles). It provides more comfort and good fitting for foot inside boot. By this way, fitting of foot can be adjusted personally by using one of the inlay sole or both two at the same time.

SOLE:

Property: Direct Injection and Moulded

Double density polyurethane

Light weight, flexible, high performance and comfort Direct injection provides durability and resistance

against sole-upper separation

Anti-staticness provides to minimize electrostatic build up

to avoid the risk of spark ignition.

Energy Absorbing Heel provides comfort when jumping walking, running, etc. by absorbing downward force in

excess of a body weight

Hydrolysis resistance provides durability on sole against very humidity and hot weather conditions and longer self

life for products at international storage terms

Oil resistant outsole Slip resistant outsole

Heat resistant up to 120 °C degree

Material: Polyurethane midsole layer and outsole layer

Colour: Desert in two layers
Slip resistance: 0,4 (minimum)
Flexing resistance: 4 mm (maximum)

Abrasion resistance: If density < 0,9 : volume loss 250 mm3 (maximum)

If density > 0,9: volume loss 150 mm3 (maximum)

Tearing strength: 8 kn/m (minimum)
Energy absorbtion: 20 joules (minimum)

Electrical resistance: 0,1 megaohm (minimum) – 1000 megaohm (maximum)

Upper / outsole bonding: 4 newton/mm (minimum)

3 - QUALITY ASSURANCE

All raw materials before production and all finished products after production are being tested in our laboratory which has been accredited by Turkish Standard Institute (TSE) and accredited by SATRA International Notified Body in UK.

It is supported by the implementation of ISO 9001:2000 Quality System Certificate and membership of SATRA (international laboratory in U.K.) to audit and test the product.

Product is according to NATO standards.

Product is according to European Standards called EN20347 and marked with **CE** label (If required)

P0001 : Manufacturer reference

CE EN 20347 – 1: Number of European standard of occupational footwear for

professional use

O1 : Type of classification

G550-01 : Product group identification

Each pair of boot has a customer information leaflet which is put in inner boxes. This leaflet includes information about product, standard and product care.

4 - LABELLING AND PACKAGING

LABELLING:

CE label is stitched inside tongue and each pair bears this CE marking.

Each inner box bears a label sticker, which shows product name and size of the boot. Each outer box bears a label sticker, which shows product name, size of the boot and quantity pairs inside box.

PACKAGING:

Each pair of boot is packed separately in tough cardboard box (inner box). Then one set will be packed together.

10 pairs of boots are packed in a ripped cardboard box (outer box). This quantity can be changed according to customer requirement.

Final packaging shall maintain enough protection to prevent any damage of goods under normal shipment and handling conditions.