



Specification for Art 90-004 “Chukka” . (Mens sizes 5 x 13)

Upper.

- *The all leather upper is cut from 2.0 – 2.2mm chrome tanned, Printed Full Grain Water Buffalo hides, which are strong and have high wearing durability.*
- *The leather bellows tongue is from a soft split of either bovine leather or water buffalo for extra comfort.*
- *The BOVA Comfort vamp lining is made from a special needled Hi-Tech Fibre blend which has excellent perspiration absorbency resulting in a low heat build up and a more comfortable shoe for the wearer. This material has been treated with “ULTRAFRESH” which imparts additional hygienic and anti-bacterial properties to the lining.*
- *The quarter lining is from an impregnated non-woven material with high abrasion resistance.*
- *For strength the speed rings are made from steel, which has been treated with a corrosion- resistant “old” brass coating.*
- *The lace is braided and made from a polyester yarn with high abrasion resistance together with a central core for additional strength.*
- *The collar is from P.V.C. stretchback material with a soft latex rubber padding for superior comfort and support.*

Insole and Sock

- *The insock is from a specially developed anti-static non-woven material which has exceptional directional stability, durability and comfort.*
- *The “**Energiser**” footbed insock is made from a specially needed 100% pure new wool blend that has great perspiration absorbency and gives extra comfort to the wearer who is on his feet all day long due to the low build up of heat inside the shoe. This material has been specially treated with “**ULTRAFRESH**”, which imparts hygienic and anti- bacterial characteristics to the material.*
- *A special shank reinforcement is moulded into the midsole to give additional support under the arch of the foot.*

Double Density Polyurethane Sole

- *The sole is from foamed dual density polyester polyurethane, for lightness, comfort and flexibility. The mid sole has a shore hardness of 0.45 for soft comfort next to the foot, and the outer sole has a shore hardness of 0.64 – 0.65 for durability and slip resistance.*
- *The polyurethane sole is an excellent insulator against the cold and has a heat resistance of between 100 and 110C.*

Toe caps

- *The steel toe cap is imported from Europe or South America and complies with the SANS/ISO 20345 Specification to withstand an impact load of 200 joules. This toe cap has an extra wide fit to accommodate the largest variety of feet possible, and we use 6 different sizes to cover the men’s size range of 5 x 12. Some of our competitors use only four sizes of toe caps to cover the size range.*

This “Chukka” boot, as does all our safety footwear, conforms with the SANS/ISO 20345 Specification and the European “CE” specification EN 345, and carries the marks for both.

This boot can be made either with or without a steel toe cap, as required, and also a flexible stainless steel mid-sole can be moulded into the sole to give added protection against the penetration of glass or nails etc.

Beier Safety Footwear has a registered quality management system and is an ISO 9001 rated factory.