



**Specification for Art 71-441 “TUFF” . (Mens sizes 5 x 12)**

***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.*
- *This is a basic entry level safety shoe which has a high degree of comfort and durability.*
- *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 industrial quality “cambrelle” type non-woven material with good abrasion resistance.*
- *The four pairs of eyelets are made from steel, which has been treated with a corrosion resistant “gunmetal” 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 padding material is from a newly developed closed cell foam with gives 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.*

### ***Polyurethane Sole***

- *The sole is from foamed polyester polyurethane, for lightness, comfort and flexibility. The 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 S.A.B.S. 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 5 different sizes to cover the full range of sizes.*

***The “TUFF” shoe, has been tested to comply with SANS/ISO 20345 Specification and carries the SANS/ISO 20345 Certified Mark.***

*This shoe 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.***