

# TOLSEN

## SAFETY BOOT 「INDUSTRIAL」

### INSTRUCTION MANUAL



CE

EN ISO 20345

S1

SAVE THIS MANUAL !

You will need this manual for safety instructions, operating procedures and warranty.  
Put it and the original sales receipt in a safe dry place for future reference.

## CE MARKING

This article bears the "CE" mark because it is manufactured in full compliance with technical specifications of the PPE(Personal Protection Equipment) directive 89/686/EEC and subsequent modifications as well as with the European harmonized standards EN ISO 20345 or EN ISO 20347; the anti-slip sole capacities meet the requirements of the standard EN 13287 furthermore, which have not yet been replaced by community regulations up to the date of approval. This safety or occupational shoe's compliance has been certified by an EEC notified Body.

**PORTECTION FEATURES:** Since these shoes are safety equipment they provide the highest degree of protection against mechanical risk: this applies particularly to the steel toe-cap(only EN ISO 20345 ) for-foot protection which ensures the fore-foot resistance:

-to impacts of up to 200 Joule at the tip, with a minimum clearance of 14mm(ref. to size 42),

-to crushing forces rated up to 15 kN(ca 1.5 ton), with a minimum clearance of 14mm (ref. to size 42)

In addition to Basic safety requirements others are adopted as indicated in the table below:

ADDITIONAL SYMBOLS	ADDITIONAL SAFETY REQUIREMENTS	EN ISO 20345				EN ISO 20347			
		SB	S1	S2	S3	OB	O1	O2	O3
-	Toe cap resistant to 200 Joule	O	X	X	X	O	X	X	X
-	Oil resistance of outer sole(hydrocarbons)	X	X	X	X	-	-	-	-
FO	Hydrocarbon resistance of outer sole	X	X	X	X	O	O	O	O
E	Energy absorption in the heel region	O	X	X	X	O	X	X	X
WRU	Water resistant upper	O	-	X	X	O	-	X	X
P	Penetration resistance	O	O	-	X	O	X	X	X
A	Antistatic footwear	O	X	X	X	O	O	O	O
C	Conductive footwear	O	O	O	O	O	O	O	O
I	Electrically insulating footwear	O	O	O	O	O	O	O	O
HI	Heat insulation	O	O	O	O	O	O	O	O
CI	Cold insulation	O	O	O	O	O	O	O	O
WR	Water resistant footwear	O	O	O	O	O	O	O	O
M	Foot arch protection footwear	O	O	O	O	O	O	O	O
AN	Ankle protection footwear	O	O	O	O	O	O	O	O
CR	Cut resistance upper	O	O	O	O	O	O	O	O
HRO	Heat resistance of outer sole(at 300°C for 1 min.)	O	O	O	O	O	O	O	O

X=Compulsory for the relevant category:

O=Optional, applicable in addition to the compulsory requirements if marked

**N.B:** Your shoes may be marked with one or more of the symbols in the table, indicating the additional features to the basic requirements. The risks covered are only those indicated with the relevant symbol.

The use of unapproved accessories may alter the resistance capacity and the protection functions.

**LIMIT OF PROTECTION:**The absence of marking on the footwear corresponding to the marking explained in the above table signifies that the associated risks are not covered by the footwear.

**RECOMMENDED USE:** these shoes(Safety category and Work category) are recommended for the following uses:

EN ISO 20345 (with reinforced toe-cap):

- with penetration-proof sole: carpentry, concrete, road paving, civil protection, demolition, construction yards, warehouse areas, roofing;

- without penetration-proof sole: work on bridges, inside tall buildings, in elevators, in the steel industry, furnaces, piping, cranes, electrical appliances, heating and air conditioning plant installation, maintenance and transformation work, metal industry, stone quarry, mining, dumps, outdoor activities, glass industry, ceramic moulding, work with building materials, freight and storage, treatment of frozen meat and tinned foods, shipyards, railroads;

- with heat insulating insole: work on and with either excessively cold or hot masses;

- with quick release: in case of risk of molten mass penetration.

EN ISO 20347 (without reinforced toe-cap): work without risk of crushing and blows on forefoot.

The identification and the choice of suitable shoe(PPE)is the employer's. We, therefore, recommend checking, PRIOR TO USE, whether the chosen model's characteristics are appropriate for the specific needs.

**CARE AND MAINTENANCE:** The lifetime of these safety shoes can be extended by cleaning them after each Use and by adopting the following simple habits: dry off in ventilated areas, away from heat source: remove soil or other substances by using a good brush or cloth; periodically treat the upper with suitable products(creams, polish, sprays, ect.); avoid aggressive chemicals(such as fuel, acids, solvents, ect.) which may jeopardize quality, durability and safety of the PPE.

**THE LIFETIME:** because of numerous factors that can influence the service life of these safety shoes while using them, it is not possible to establish their wear for certain. In general, we recommend to use this article maximum 2 years after the manufacturing date.

**NOTES ON REMOVABLE INSOCKS:** If the footwear is supplied with a removal insock it should be made clear that testing was carried out with the insock in place. A warning shall be given that the footwear shall only be used with the insock in place and that the insock shall only be replaced by a comparable insock supplied by the original footwear manufacturer.

**NOTES ON ELECTRICALLY INSULATING FOOTWEAR:**These safety shoes cannot guarantee an adequate protection against electrical shock since they only induce resistance between the foot and the sole and, moreover, the electrical resistance of such shoes can be modified in significant utilization, contamination and humidity measure. These shoes cannot be used when it is necessary to reduce to minimum the accumulation of electrostatic charges.

**ANTISTATIC FOOTWEAR:** Safety footwear marked A, S1,S2,S3,O1,O2,O3 have antistatic properties in compliance with the reference Standard. Antistatic shoes should be used to dissipate the electrostatic charges built up on the on user's body. Antistatic shoes are required to reduce the build up of static-electricity by dissipating it, thus avoiding risks of igniting gases or inflammable substances. In the best conditions of use, these shoes guarantee an electric resistance of nearly 1000 M  $\Omega$  , anyhow not lower to 0.1M  $\Omega$  . In order to maintain their antistatic qualities, these shoes should be used and cared for correctly by avoiding: use in extremely high humidity, modifying the upper, insertion of any insulating object between wear's foot and the insole. Make sure to remove from the sole any contaminated material.

#### ATTENTION-INFORMATION FOR TOE CAP AND PENETRATION RESISTANT INSOLES

The protection components are designed to comply with current regulations to protect the toes against impact of heavy weights and the foot plantar surface against penetration of sharp objects. N.B. In case of either experience of impact or penetration it is important for the footwear to be replaced EVEN IF NO DAMAGE IS VISIBLE. Protection is ensured only when footwear is correctly worn and laced up.

## STANDARDS

EN ISO 20344	Personal Protective Equipment-Test methods for footwear
EN ISO 20345	Personal Protective Equipment-Safety footwear
EN ISO 20346	Personal Protective Equipment-Protective footwear
EN ISO 20347	Personal Protective Equipment-Occupational footwear
Dir.89/686/CEE	Directive of the Council regarding the standardization of legislation of Member States in the D.P.I. field.
EN 13287	Specifications and test methods for determination of slip resistance
CEI EN 61340-5-1	Protection of electronic devices against electrostatic phenomena-ESDS

## CATAGORIES

A	Antistatic footwear	
E	Energy absorption of seat region	
FO	Resistance to fuel oil of outsole	
P	Penetration resistance	
HRO	Resistance to hot contact of outsole	
CI	Cold insulation of sole complex	
HI	Heat insulation of sole complex	
WR	Water resistant footwear	
WRU	Water resistant upper	
M	Metatarsal protection	
CR	Cut resistance of upper	
<b>EN ISO 20345</b> Footwear with toe protection against 200 J impact	<b>SB</b>	FO
	<b>S1</b>	A+FO+E
	<b>S1P</b>	A+FO+E+P
	<b>S2</b>	A+FO+E+WRU
	<b>S3</b>	A+FO+E+WRU+P
	<b>S4</b>	A+FO+E+Leakproofness
	<b>S5</b>	A+FO+E+P+Leakproofness
<b>EN ISO 20347</b> No safety footwear	<b>O1</b>	A+E
	<b>O1P</b>	A+E+P
	<b>O2</b>	A+E+WRU
	<b>O3</b>	A+E+WRU+P
	<b>O4</b>	A+E+Leakproofness
	<b>O5</b>	A+E+P+Leakproofness

SUZHOU TOLSEN  
TOOLS CO.,LTD.

www.tolsentools.com

TOLSEN is a trademark or  
registered trademark of TOLSEN  
TOOLS. All rights reserved.  
MADE IN CHINA



SCAN TO VISIT  
PRODUCT LINK