



# Technical Data Sheet



## TP-103 S1P/ **MODEL S S1P**

### Model Description:

Leather shoe, Red mesh lining, Puncture resistant steel plate, Shock resistant, Steel toe, S1P, DDPU sole.

### Specifications:

|                  |                                |
|------------------|--------------------------------|
| Upper            | Genuine Leather (Barton Print) |
| Lining           | Red Mesh                       |
| Insole           | Foam Footbed                   |
| Outsole          | PU/PU                          |
| Toecap           | Steel Toe                      |
| Midsole          | Steel Plate                    |
| Safety Standards | S1P, EN ISO 20345:2021         |
| Size Range       | EU 38-46                       |
| Shoe weight      | 570 grams (approx.)            |

- 

200 JOULE  
TOECAP
- 

SLIP  
RESISTANT
- 

SHOCK  
ABSORPTION
- 

ANTI-STATIC
- 

PETROL AND  
CHEMICAL  
RESISTANT
- 

ANTI-NAIL  
MIDSOLE
- 

OIL  
RESISTANT



**Oil and Fuel Resistant**  
The outsole is resistant against oil and fuel.



**Steel Toecap**  
The feet of the wearer against falling or rolling objects.



**Steel Midsole**  
Puncture resistant steel midsoles are made from stainless or coated steel and prevent sharp objects from penetrating the outsole.



**Breathable Leather Upper**  
High degree of wearer comfort combined with durability in versatile applications.

## Industries:

Automotive, Chemical, Cleaning, Construction, Logistics, Metal Fabrication, Oil & Gas, Other Industries.

## Environments:

Dry environment, Muddy environment, Uneven surfaces, Wet environment.

## Maintenance Instructions:

To extend the life of your shoes, we recommend to clean them regularly and to protect them with adequate products. Do not dry your shoes on a radiator, nor nearby a heat source.

| Description   |                                                                                                                               |                                                                                                    | Measure Unit | Result  | EN345 required |
|---------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------|---------|----------------|
| Complete shoe | Protection of toes: metal tip resistant to:<br>A shock of 200J<br>Pressure of 1500 kg<br>Sole: Metal plate resistant to 1100N | Impact resistance (Clearance after shock)<br>Compressive strength<br>(after clearance compression) | Mm           | >15     | >14            |
|               |                                                                                                                               |                                                                                                    | Mm           |         | 14             |
|               | Anti-shock system: Low-Density polyurethane and profile of the heel                                                           | Shock absorption in heel                                                                           | J            | >35     | >20            |
| Upper         | Leather, black                                                                                                                | Permeability to water vapor                                                                        | Mg/m2 hour   | >2,0    | >0,8           |
|               | Thickness 1,6mm                                                                                                               | Permeability coefficient                                                                           | Mg/cm2       | >25,6   | >20            |
|               |                                                                                                                               |                                                                                                    |              |         |                |
| Front         | Thickness 1,2mm                                                                                                               | Permeability coefficient                                                                           | Mg/cm2       | >35     | >30            |
| Lining        | Mesh red                                                                                                                      | Permeability to water vapor                                                                        | Mg/cm2 hour  | >2,1    | >2             |
| Back          | Thickness 1,2mm                                                                                                               | Permeability coefficient                                                                           | Mg/cm2       | >45     | >30            |
| Insole        | Absorbent, resistant to abrasion and to exfoliation                                                                           | Abrasion resistance                                                                                | Cycles       | >400    | >400           |
| Outsole       | Antistatic polyurethane injected directly onto the upper                                                                      | Abrasion resistance (volume loss)                                                                  | Mm3          | 110     | <150           |
|               | Shock absorption, abrasion resistant, mineral oils and weak acids                                                             | Oil resistance (volume variation AV)                                                               | %            | 8,0-9.0 | <+12           |
|               |                                                                                                                               | Coefficient of adhesion of the outsole                                                             | Newton       | 0,04    | >0,15          |

### Sample size: 42

Our shoes are constantly evolving, the technical data above may change. All product names and brand Lancer®, are registered and may not be used or reproduced in any format, without written consent from us.