SAFETY JOGGER
INDUSTRIAL



Light

# FREEDOM S1PS MID TLS

FYTS1PSMT

**Lightweight Safety Shoes S1PS Mid TLS**

The FREEDOM S1PS MID TLS safety shoe offers onehand TLS closure, nanocarbon toe, slip resistance and lightweight, breathable comfort for allday protection.

| | |
|---|---|
| Upper | Textile |
| Lining | Recycled 3D-Mesh (100% recycled) |
| Footbed | SJ Recycled Foam Footbed (96% recycled) |
| Midsole | Anti-Puncture Nonwoven |
| Outsole | ETPU/Rubber (NBR) |
| Toecap | Nano Carbon |
| Category | S1 PS / SR, SC, FO, HI, HRO, CI, ESD |
| Size range | EU 35-50 / UK 3.0-14.0 / US 3.0-15.0<br>JPN 21.5-33.0 / KOR 230-330 |
| Sample weight | 0.600 kg |
| Norms | EN ISO 20345:2022+A1:2024<br>ASTM F2413:2024 |

CE · ESD · HRO · HI · CI · 3FIT SYSTEM · NESKRID

$CO_2$ 7.84 kg



BLK



**Barefoot-like walking**
Anatomical toecap: barefoot-like walking for natural movement and reduced fatigue.



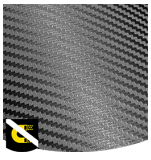
**Heel energy absorption**
Heel energy absorption reduces the impact of jumps or running on the body of the wearer.



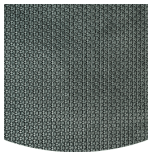
**Nano carbon toecap**
Ultralight high-tech material, metalfree with no thermal or electrical conductivity.



**TLS (Twist Lock System)**
Safety Jogger's innovative TLS closure allows you to quickly tighten and loosen your safety footwear with one hand and under any conditions, even when you are wearing safety gloves. TLS ensures a fast, safe and easy precision fit that offers enhanced comfort and enables you to perform at your best.



**Metal free**
Metal free safety shoes are in general lighter than regular safety shoes. They are also very beneficial for professionals who have to pass through metal detectors several times a day.



**Rubber outsole**
Rubber outsoles provide versatile functions that make them suitable for many areas of application: excellent cut resistance, heat and cold resistance, high flexibility at cold temperatures, resistance against oil, fuel and many chemicals.

## Industries:
Assembly, Automotive, Industry, Cleaning, Logistics

## Environments:
Dry environment, Extreme slippery surfaces

## 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.

## Test results:

| | Description | EN ISO 20345 | Result | Measure unit |
|---|---|---|---|---|
| **Upper** | **Textile** | | | |
| | Upper: permeability to water vapor | ≥ 0.8 | 32.71 | mg/$cm^2$ /h |
| | Upper: water vapor coefficient | ≥ 15 | 262 | mg/$cm^2$ |
| **Lining** | **Recycled 3D-Mesh (100% recycled)** | | | |
| | Lining: permeability to water vapor | ≥ 2 | 37.07 | mg/$cm^2$ /h |
| | Lining: water vapor coefficient | ≥ 20 | 297 | mg/$cm^2$ |
| **Footbed** | **SJ Recycled Foam Footbed (96% recycled)** | | | |
| | Footbed: abrasion resistance (dry/wet) (cycles) | 25600/12800 | Dry 25600 cycles/Wet 12800 cycles | cycles |
| **Outsole** | **ETPU/Rubber (NBR)** | | | |
| | Outsole abrasion resistance (volume loss) | ≤ 150 | 114 | $mm^3$ |
| | Basic Slip resistance - Ceramic + NaLS - Forward heel slip | ≥ 0.31 | 0.47 | friction |
| | Basic Slip resistance - Ceramic + NaLS - Backward forepart slip | ≥ 0.36 | 0.45 | friction |
| | SR Slip resistance - Ceramic + glycerin - Forward heel slip | ≥ 0.19 | 0.35 | friction |
| | SR Slip resistance - Ceramic + glycerin - Backward forepart slip | ≥ 0.22 | 0.32 | friction |
| | Antistatic value | 0.1 - 1000 | 42.6 | MegaOhm |
| | ESD value | 0.1 - 100 | 20 | MegaOhm |
| | Heel energy absorption | ≥ 20 | 33 | J |
| **Toecap** | **Nano Carbon** | | | |
| | Impact resistance toecap (clearance after impact 100J) | N/A | N/A | mm |
| | Compression resistance toecap (clearance after compression 10kN) | N/A | N/A | mm |
| | Impact resistance toecap (clearance after impact 200J) | ≥ 14 | 16.5 | mm |
| | Compression resistance toecap (clearance after compression 15kN) | ≥ 14 | 23.0 | mm |

Sample size: 42

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

## Carbon footprint:

| | Description | Result | Measure unit |
|---|---|---|---|
| **CO2 emission** | | | |
| | Material | 5.56 | kg |
| | Packing | 0.13 | kg |
| | Manufacturing | 1.90 | kg |
| | Transport | 0.26 | kg |
| | | **7.84 kg CO2/pair** | |

| | Description | Result |
|---|---|---|
| **Recycled content** | | |
| | Product | 17% |
| | Packing | 99% |

CO2 calculation:
Values are rounded to two decimals.
These analyses are performed using our in-house environmental calculators, developed within the Cortina Group. The CO2 values are valid at the time of calculation and may be subject to change.