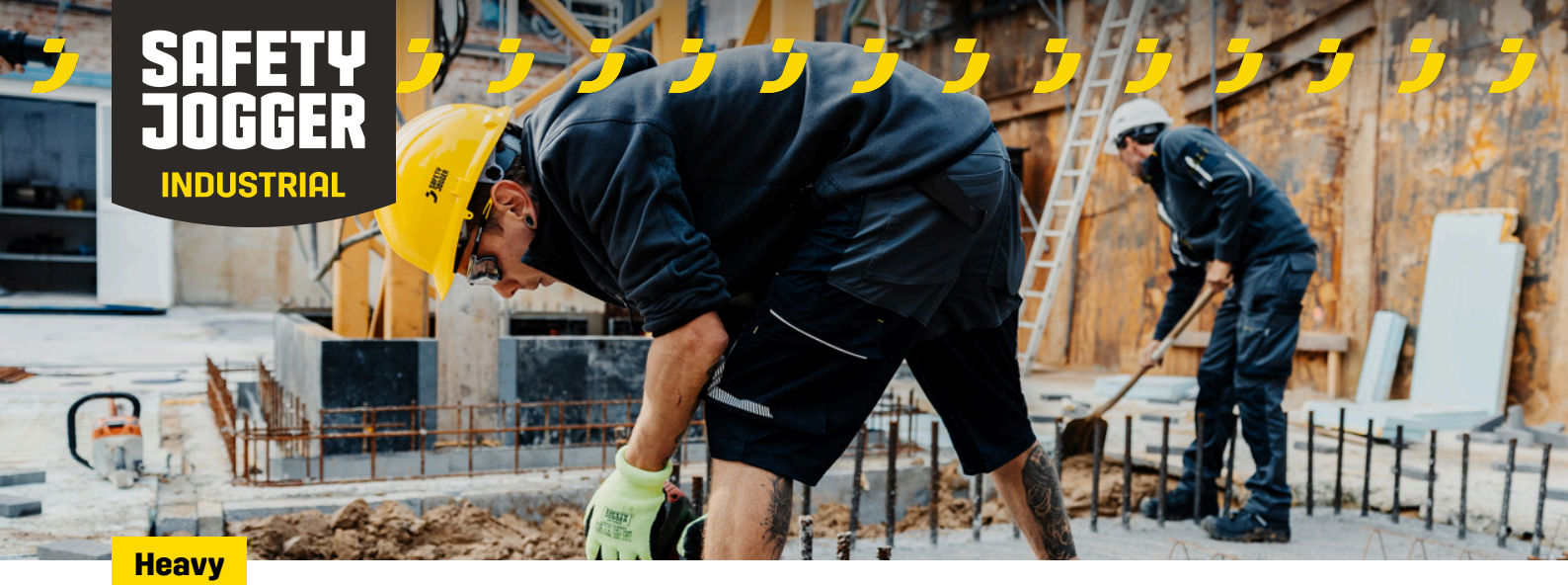
SAFETY JOGGER
INDUSTRIAL



Heavy

# ALTAR S3 MID S3S

ALTARS3MID

**Composite Toe Work Boots**

ALTAR S3 safety boots combine comfort and strength. Slip and heat resistant, metal-free, and water-resistant for reliable protection at work.

| | |
|---|---|
| Upper | Crazy Horse Leather |
| Lining | Recycled Mesh (100% recycled) |
| Footbed | SJ Recycled Foam Footbed (96% recycled) |
| Midsole | Anti-Puncture Textile |
| Outsole | PU/Rubber (NBR) |
| Toecap | Composite |
| Category | S3S / SR, SC, LG, FO, HI, HRO, CI, ESD |
| Size range | EU 36-48 / UK 3.5-13.0 / US 4.0-13.5<br>JPN 22.5-31.5 / KOR 235-315 |
| Sample weight | 0.830 kg |
| Norms | ASTM F2413:2018<br>EN ISO 20345:2022 |

CE · ESD · WPA · 3FIT SYSTEM · NESKRID

$CO_2$ 13.63 kg



SND



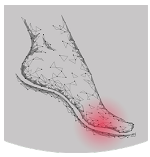
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**Breathable leather upper**
Natural leather provides a high degree of wearer comfort combined with durability in versatile applications.



**Composite toecap**
Metalfree and lightweight, no thermal or electrical conductivity



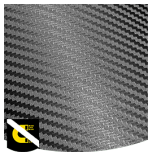
**Forefoot energy absorption**
Forefoot energy absorption reduces the impact of jumps or running on the body of the wearer.



**Heat resistant outsole (HRO)**
The outsole resists high temperatures up to 300°C.



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



**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.

## Industries:
Construction, Industry, Logistics, Mining

## Environments:
Dry environment, Muddy environment, Extreme slippery surfaces, Warm surfaces, Uneven surfaces, Cold environment, 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.

## Test results:

| | Description | EN ISO 20345 | Result | Measure unit |
|---|---|---|---|---|
| **Upper** | **Crazy Horse Leather** | | | |
| | Upper: permeability to water vapor | ≥ 0.8 | 7.8 | mg/$cm^2$ /h |
| | Upper: water vapor coefficient | ≥ 15 | 68 | mg/$cm^2$ |
| **Lining** | **Recycled Mesh (100% recycled)** | | | |
| | Lining: permeability to water vapor | ≥ 2 | 54.48 | mg/$cm^2$ /h |
| | Lining: water vapor coefficient | ≥ 20 | 436 | mg/$cm^2$ |
| **Footbed** | **SJ Recycled Foam Footbed (96% recycled)** | | | |
| | Footbed: abrasion resistance (dry/wet) (cycles) | 25600/12800 | 25600/12800 | cycles |
| **Outsole** | **PU/Rubber (NBR)** | | | |
| | Outsole abrasion resistance (volume loss) | ≤ 150 | 91 | $mm^3$ |
| | Basic Slip resistance - Ceramic + NaLS - Forward heel slip | ≥ 0.31 | 0.41 | friction |
| | Basic Slip resistance - Ceramic + NaLS - Backward forepart slip | ≥ 0.36 | 0.37 | friction |
| | SR Slip resistance - Ceramic + glycerin - Forward heel slip | ≥ 0.19 | 0.28 | friction |
| | SR Slip resistance - Ceramic + glycerin - Backward forepart slip | ≥ 0.22 | 0.25 | friction |
| | Antistatic value | 0.1 - 1000 | 11.2 | MegaOhm |
| | ESD value | 0.1 - 100 | 65 | MegaOhm |
| | Heel energy absorption | ≥ 20 | 33 | J |
| **Toecap** | **Composite** | | | |
| | 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 | 17.0 | mm |
| | Compression resistance toecap (clearance after compression 15kN) | ≥ 14 | 21.5 | 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 | 11.34 | kg |
| | Packing | 0.13 | kg |
| | Manufacturing | 1.90 | kg |
| | Transport | 0.26 | kg |
| | | **13.63 kg CO2/pair** | |

| | Description | Result |
|---|---|---|
| **Recycled content** | | |
| | Product | 5% |
| | 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.