



Light

## ORION S1 P

**Breathable, mid-cut suede safety shoe**

Safety Jogger's ORION mid-cut safety shoes offer breathability, slip resistance, and protection. Features include steel toecap, antistatic design, steel midsole, and heel energy absorption.

|               |   |
|---------------|---|
| Upper         | Suede Leather   |
| Lining        | Mesh  |
| Footbed       | SJ foam footbed   |
| Midsole       | Steel   |
| Outsole       | PU/PU   |
| Toecap        | Steel   |
| Category      | S1 P / SR, FO   |
| Size range    | EU 36-47 / UK 3.5-12.0 / US 4.0-13.0<br>JPN 22.5-31 / KOR 235-310 |
| Sample weight | 0.647 kg  |
| Norms         | ASTM F2413:2018<br>EN ISO 20345:2022                              |



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### Steel toecap

Robust metal support to protect 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.



### SRC slip resistance

Slip resistant soles are one of the most important features of safety and occupational footwear. SRC slip resistant soles pass both SRA and SRB slip resistant tests, they are tested on both steel and ceramic surfaces.



### Antistatic

Antistatic footwear prevents build-up of static electrical charges and ensures that they are discharged effectively. Volume resistance between 100 KiloOhm and 1 GigaOhm



### S1P

You work in dry environments, no risk of water/liquid sprays, and you need protection for your toes, protection against perforation, and a good breathability? Then you need S1P safety footwear.



### Heel energy absorption

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

**Industries:**

Automotive, Construction, Logistics, Industry

**Environments:**

Dry 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      | EN ISO 20345 |
|----------------|--|-----------------------|-------------|--------------|
| <b>Upper</b>   | <b>Suede Leather</b>   |                       |             |              |
|                | Upper: permeability to water vapor                               | mg/cm <sup>2</sup> /h | 6.9         | ≥ 0.8        |
|                | Upper: water vapor coefficient                                   | mg/cm <sup>2</sup>    | 61.1        | ≥ 15         |
| <b>Lining</b>  | <b>Mesh</b>  |                       |             |              |
|                | Lining: permeability to water vapor                              | mg/cm <sup>2</sup> /h | 86.9        | ≥ 2          |
|                | Lining: water vapor coefficient                                  | mg/cm <sup>2</sup>    | 695.4       | ≥ 20         |
| <b>Footbed</b> | <b>SJ foam footbed</b>   |                       |             |              |
|                | Footbed: abrasion resistance (dry/wet) (cycles)                  | cycles                | 25600/12800 | 25600/12800  |
| <b>Outsole</b> | <b>PU/PU</b>   |                       |             |              |
|                | Outsole abrasion resistance (volume loss)                        | mm <sup>3</sup>       | 32          | ≤ 150        |
|                | Basic Slip resistance - Ceramic + NaLS - Forward heel slip       | friction              | 0.47        | ≥ 0.31       |
|                | Basic Slip resistance - Ceramic + NaLS - Backward forepart slip  | friction              | 0.44        | ≥ 0.36       |
|                | SR Slip resistance - Ceramic + glycerin - Forward heel slip      | friction              | 0.26        | ≥ 0.19       |
|                | SR Slip resistance - Ceramic + glycerin - Backward forepart slip | friction              | 0.29        | ≥ 0.22       |
|                | Antistatic value   | MegaOhm               | 116.5       | 0.1 - 1000   |
|                | ESD value  | MegaOhm               | N/A         | 0.1 - 100    |
|                | Heel energy absorption   | J                     | 30          | ≥ 20         |
| <b>Toecap</b>  | <b>Steel</b>   |                       |             |              |
|                | Impact resistance toecap (clearance after impact 100J)           | mm                    | N/A         | N/A          |
|                | Compression resistance toecap (clearance after compression 10kN) | mm                    | N/A         | N/A          |
|                | Impact resistance toecap (clearance after impact 200J)           | mm                    | 17.0        | ≥ 14         |
|                | Compression resistance toecap (clearance after compression 15kN) | mm                    | 21.5        | ≥ 14         |

Sample size: 42

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