

Honeywell



**Protection that flows,
from heel to toe**

Ultimate Footwear Range



Ultimate protection. Ultimate comfort. Ultimate Footwear range.

Why do you choose safety footwear? Is it for its protective qualities, or for comfort and ease of wear? In other words, is the protection it offers more important than comfort, or vice versa?

The Honeywell Ultimate Footwear range answers this question by being not only highly protective, but also supremely comfortable. The only choice to be made by Honeywell Ultimate Footwear user is which style from the range best meets his/her needs.



A whole range of benefits

Every boot and shoe in the Ultimate Footwear range combines innovation, comfort and safety, and is equally effective both indoors and outdoors. Thus, the footwear aims to meet all the applicable safety standards, and your requirements.

Innovation

The unique ergonomic wave concept which underlies the design of every item of Ultimate Footwear enables protection that flows from heel to toes. Designed to mimic the foot's natural movement, the Wave concept provides:

- contact at the high shock-absorption heel;
- stability at the heel and midsole;
- propulsion at the toes – for one flowing motion

Comfort

By allowing a natural walking motion so that protection doesn't compromise comfort, Ultimate Footwear is easy to wear all day long. But there are also other features which add to its wearability:

- flexible construction (combined with optimum resistance to repeated flexing);
- composite safety toecap (50% lighter than steel);
- breathable lining;
- modular insole fitting system (the standard insole supplied can be changed for a choice of two customized insoles to ensure a perfect fit);
- cushioned heel (providing high shock absorption through carefully positioned holes)





Safety

Ultimate Footwear protects the wearer against injury hazards through a number of design and construction, featuring a safety margin ranging from 3 to 5 mm

- ultra-light composite safety toecap
- FLEXIUM™ anti-perforation interlayer
- slip-resistant large cleats for outdoor grip and micro cleats for smooth indoor surfaces
- slip-prevention fluid evacuation sole pattern
- large ground contact area at the heel (for greater stability)
- all-road cleats at the midsole, for indoor and outdoor grip on any surface
- reflective inserts for wearer visibility at night



Certification

The Ultimate Footwear range meets the requirements of all relevant safety standards and certifications [see below]. Hence, you choose boots or shoes with complete confidence that you will be providing your workers with the best available protection.

EN ISO 20345ⁱ

Category	Requirements
SB	Toecap resistant to impact of 200 Joules and 15kN crushing
S1	As SB, plus: Closed heel area Antistatic properties Heel energy absorption Resistance to fuel oil
S1P	As S1, plus: Anti-puncture resistance
S2	As S1, plus: Water penetration and absorption
S3	As S2, plus: Anti-puncture resistance Cleated outsole

SRCⁱⁱ

OUTSOLE SLIP RESISTANCE PERFORMANCE				
Marking	Surface	Lubricant	Friction factor: flat	Friction factor: heel
SRA	Ceramic plates	Sodium lauryl sulfate	0.38 (minimum requirement 0.32)	0.32 (mimumum standard 0.28)
SRB	Steel	Glycerol	0.22 (mimumum standard 0.18)	0.18 (mimumum standard 0.13)
SRC	Meets requirements of the above 2 tests (SRA plus SRB)			

DGUV 112-191ⁱⁱⁱ

This regulation covers the use of orthopedic insoles in the workplace. It means that any modification of the safety shoes, such as replacing the original insoles provided by the manufacturer, is prohibited by the CE-standard. Any change made to safety footwear results in non-compliance to ISO 20345:2011 and in case of accident, the wearer will no longer be protected by their accident insurance. However, Honeywell Ultimate Footwear range, when fitted with VAUPEL orthopedic insoles, has been tested and certified to continue to meet the requirements of the standard.

EN IEC 61340-4-3:2017^{iv}

The Ultimate Footwear range has been laboratory tested to meet this standard and is identified as suitable for use in an Electrostatic Discharge Protected Area (EPA).

Customization

The fitting can be adapted by use of a choice of two specially-made insoles for “wide feet” or “narrow feet”. The Adjustable fitting system, featuring specialist insoles, allows users to adjust the space inside the shoe to achieve a tighter fit to suit narrow feet or to create more room for the comfort of users with wider feet.



ULTIMATE NARROW INSOLE Ref: 62 461 99



ULTIMATE WIDE INSOLE Ref: 62 462 00

A comfortable fit – anywhere

The Honeywell Ultimate Footwear range provides a comfortable fit with almost any industrial environment, and almost any user. Boots and shoes from the range offer suitable protection against all likely hazards, and comfort for day-long wear, in:

- Construction
- Assembly
- Transportation
- Light industry
- Utilities
- Automotive
- Manufacturing
- Energy
- Logistics

Tested to the ultimate

All safety standards define a set of tests, which safety footwear is required to meet to achieve certification. However, Honeywell goes further – striving for safety footwear that performs above and beyond the level required for certification according to each of the standards below:

- EN ISO 20345 : 2011;^v
- Regulation (EU) 2016/425;^{vi}
- BVQI ISO 9001 Version 2015^{vii}

Exceeding the requirements of EN ISO 20345:2011, Honeywell Ultimate Footwear offers:

- Composite toecap impact resistance (to 200 J) of 16 mm, above the minimum requirement of >=14 mm
- Composite toecap compression resistance (to 200 J) of 21 mm, above the minimum requirement of >=14 mm
- Non-metallic antipuncture insole with perforation resistance of >1100 N, above the mimimum requirement of >=1100 N
- Electric resistance of 23,000 Mohms when dry, above the minimum requirement of >= 0,1 Mohms
- Electric resistance of 5,000 Mohms when wet, above the minimum requirement of >= 1000 Mohms
- Outsole tearing resistance of 20,2 KN/m, above the minimum requirement of >=8 KN/m
- Outsole bending resistance of 4520 mm, above the minimum requirement of >=4 mm
- Energy absorption in the outsole heel area of 35 J, above the minimum requirement of >=20 J



The Ultimate Footwear Range

What workers want from their protective footwear is protection and comfort. The outsole of boots and shoes in the Ultimate Footwear range provides both, from heel to toe, through several innovative features.

- Ergonomic Wave Concept – protection and comfort that flows, to allow a natural walking motion
- Wear-off indicators – a triangle appears at any of four locations on the outsole, when it has reached a high level of abrasion
- High shock-absorption heel – for comfort
- Front shield – for protection
- Composite toecap – lightweight and non-metallic, for heat transfer elimination, greater comfort and corrosion resistance
- Marked heel – for stability
- Fluid evacuation channels – for enhanced grip



The Ultimate details



SPRINT S3 HI CI SRC Ref: 62 461 63

- 100 % metal free
- Low-cut style
- Leather upper and water-repellent textile
- Poromax® 3D moisture absorbent lining
- Non-metallic FLEXIUM™ anti-perforation interlayer
- ESD sole
- THERMY anti-bacterial treatment
- Dual density polyurethane outsole



SPRINT MID S3 HI CI SRC Ref: 62 461 64

- 100 % metal free
- Mid-cut style
- Leather upper and water repellent textile
- Poromax® 3D moisture absorbent lining
- Non-metallic FLEXIUM™ anti-perforation interlayer
- ESD sole
- THERMY anti-bacterial treatment
- Dual density polyurethane outsole



JUMP S3 HI CI SRC Ref: 62 461 65

- 100 % metal free
- Low-cut style
- Water-repellent leather upper
- Artico 3D lining
- Non-metallic FLEXIUM™ anti-perforation interlayer
- ESD sole
- Dual density polyurethane outsole



JUMP MID S3 HI CI SRC Ref: 62 461 66

- 100 % metal free
- Mid-cut style
- Water-repellent leather upper
- Artico 3D lining
- Non-metallic FLEXIUM™ anti-perforation interlayer
- ESD sole
- Dual density polyurethane outsole



SQUAT S1P HI CI SRC Ref: 62 461 69

- 100 % metal free
- Low-cut style
- Perforated breathable microfiber upper
- Artico 3D lining
- Non-metallic FLEXIUM™ anti-perforation interlayer
- ESD sole
- Dual density polyurethane outsole



SQUAT MID S1P HI CI SRC Ref: 62 461 83

- 100 % metal free
- Mid-cut style
- Perforated breathable microfiber upper
- Artico 3D lining
- Non-metallic FLEXIUM™ anti-perforation interlayer
- ESD sole
- Dual density polyurethane outsole

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