

# HONEYWELL ULTIMATE STEEL FOOTWEAR

Protection That Flows From Heel to Toe



Honeywell

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# ULTIMATE PROTECTION. ULTIMATE COMFORT.

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





## A WHOLE RANGE OF BENEFITS

Every boot and shoe of the Honeywell Ultimate Steel Footwear range combines innovation, comfort and safety, and is equally effective both indoors and outdoors, thus meeting the applicable safety standards and your requirements.

### INNOVATION

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

- Stability at the heel and midsole – the improved heel grip prevents foot slippage;
- Propulsion at the toes – for one flowing motion;
- The comfortable, new last offers more space inside the shoe;
- The lightweight cushioned heel provides high shock absorption through holes carved out on the profile.

### COMFORT

By allowing a natural walking motion, the Honeywell Ultimate Steel Footwear is easy to wear all day long. Protection shouldn't compromise comfort, and these boots offer even more:

- Flexible construction combined with optimum resistance to repeated flexing;
- Composite safety toecap (50% lighter than steel);
- Breathable lining.

### SAFETY

The Honeywell Ultimate Steel Footwear protects the wearers against injury hazards through several design and construction features:

- Safety margin ranging from 1 to 2 mm;
- Ultra-light composite safety toecap;
- 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;
- Anti-puncture steel plates for protection against perforation risks.



Proclean Evo - SKU: 62 461 97

# TESTED TO THE ULTIMATE

The Honeywell Ultimate Steel Footwear range meets the requirements of EN ISO 20345\* and has achieved all relevant certifications. Hence, you choose boots or shoes with complete confidence that you will be providing your workers with the best available protection.

EN ISO 20345	
CATEGORY	REQUIREMENTS
SB	Basic requirements for shoes: toecap resistant to impact of 200 Joules and 15kN crushing
S1	SB + closed heel area, antistatic properties, heel energy absorption and resistance to fuel oil
S1P	S1 + plus anti-puncture resistance
S2	S1 + water penetration and absorption
S3	S2 + anti-puncture resistance and cleated outsole

SRC** - OUTSOLE SLIP RESISTANCE PERFORMANCE			
MARKING	SURFACE	LUBRICANT	FRICTION FACTOR: FLAT
SRA	Ceramic plates	Sodium lauryl sulfate	0.44 (minimum requirement 0.32)
SRB	Steel	Glycerol	0.22 (minimum standard 0.18)
SRC	Meets requirements of the above 2 tests (SRA plus SRB)		

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 certification level.

- **14%** more impact protection than the standard requirement. The impact resistance (to 200 J) is 16 mm, above the minimum requirement of  $\geq 14$ mm;
- **31,25%** more slip resistance in flat position than SRA\*\*\*\* requirements. They offer a coefficient of friction (COF) of 0.44, above the minimum required value of  $\geq 0.32$ ;
- **22%** more slip resistance in flat position than SRB\*\*\*\*\* requirements. Tests have shown a COF of 0.22, above the minimum required value of  $\geq 0.18$ ;
- **65%** more heel energy absorption capacity (to a force of 5,000 N) than the standard requirement. The energy absorption capacity is 34 J, above the minimum requirement of  $\geq 20$ J.
- **46%** more compression resistance than the standard requirement. The toecap compression resistance (to 200 J) is 20.55mm, above the minimum requirement of  $\geq 14$  mm.

Honeywell Ultimate Steel Footwear range provides a comfortable fit in almost any industrial environment and for almost any user. The range offers suitable protection against all likely hazards and comfort for all-day-long wear, in:

- Construction
- Industry
- Manufacturing
- Assembly
- Utilities
- Energy
- Transportation
- Food Industry



Solanum Evo - SKU: 62 461 91

\*) <https://www.iso.org/home.html>

\*\*) <https://www.iso.org/home.html>

\*\*\*) The values reflect the EN ISO 20345:2011 standard test results for the Ultimate Steel range performed on EU size 42 samples.

\*\*\*\*) Slip resistance on floors with ceramic tiles with sodium lauryl ether sulfate (SLS) solution.

\*\*\*\*\*) Slip resistance on a steel surface with glycerol. If a product passes the SRA test, it can be tested for SRB rating. Once it has achieved both, it achieves SRC certification.

# PROTECTION FROM HEEL TO TOE

The outsoles of the Honeywell Ultimate Steel Footwear range provide both protection and comfort, from heel to toe, through several innovative features.

FEATURES	BENEFITS
Ergonomic wave concept	Protection and comfort
Wear-off indicators	Safety feature to monitor life span of your shoe: a triangle appears at any of the four locations on the outsole when reaching a high level of abrasion
High shock-absorption heel	The carefully positioned holes enhance comfort while walking or standing for long periods
Composite toecap	Lightweight and non-metallic for heat transfer, greater comfort and corrosion resistance
Anti-puncture stainless steel plates	High protection against perforation risks
Fluid evacuation channels	Enhanced grip



# THE HONEYWELL ULTIMATE STEEL OUTSOLE

Benefit from enhanced safety and comfort that flow from heel to toe. Honeywell combined innovation, high technology and patented concepts to create high-quality outsoles that guarantee workers protection and comfort.

Mimicking the foot's natural movement, Honeywell Ultimate Steel outsoles enable smooth, effortless motion over any terrain. Providing excellent anti-puncture protection, grip, comfort, durability and reliability, they guarantee indoor and outdoor stability and superior protection.

Enjoy Honeywell Ultimate Steel Footwear outsoles offering – The Ultimate PU2D (injected outsole with double density PU). With Honeywell Ultimate PU/PU outsoles, made of polyurethane, you'll benefit from a flexible construction combined with optimum repeated flexing strength. Hydrocarbon resistant, antistatic and with adequate slip protection, they provide excellent impact absorption and comfort. Their lightweight, cushioned heel provides high shock absorption through holes carved out on the heel's profile.

## Available with

- Leather and water-repellent textile upper
- Perforated breathable microfiber upper
- Injected outsole and double density polyurethane

## Slip resistance

- Large cleats for outdoor grip
- All-road cleats (indoor and outdoor) at the midsole for grip on any surface
- Fluid evacuation sole pattern

Non-marking outsole

## Ergonomic Wave Concept

Protection and comfort that flows from heel to toe, to allow a natural walking motion

## Wear-off indicators

A triangle appears when it has reached a high level of abrasion

## Marked heel

Stability and grip

## High shock absorption heel

Cushioned heel for high shock absorption through holes on the profile



# HONEYWELL ULTIMATE STEEL FOOTWEAR RANGE



## ACANTO EVO S1P HI CI SRC

- 100% non-metallic toecap
- Low-cut style
- Suede upper
- 3D mesh with foam lining
- Stainless steel anti-perforation interlayer
- Dual-density polyurethane outsole
- EN ISO 20345:2011 S1P HI SRC



REF.	DESCRIPTION	SIZE
62 461 88	Acanto Evo S1P HI CI SRC	35-49



## PLATEO EVO S3 HI CI SRC

- 100% non-metallic toecap
- Low-cut style
- Leather upper and water repellent
- 3D mesh with foam lining
- Stainless steel anti-perforation interlayer
- Dual-density polyurethane outsole
- EN ISO 20345:2011 S3 HI CI SRC



REF.	DESCRIPTION	SIZE
62 461 86	Plateo Evo S3 HI CI SRC	35-49



## PLOMITA EVO S3 HI CI SRC

- 100% non-metallic toecap
- Mid-cut style
- Leather upper and water repellent
- 3D mesh with foam lining
- Stainless steel anti-perforation interlayer
- Dual-density polyurethane outsole
- EN ISO 20345:2011 S3 HI CI SRC



REF.	DESCRIPTION	SIZE
62 461 87	Plomita Evo S3 HI CI SRC	35-49





### SOLANA EVO S1P HI CI SRC

- 100% non-metallic toecap
- Mid-cut style
- Suede and 3D mesh upper
- 3D mesh with foam lining
- Stainless steel anti-perforation interlayer
- Dual-density polyurethane outsole
- EN ISO 20345:2011 S1P HI CI SRC



REF.	DESCRIPTION	SIZE
62 461 90	Solana Evo S1P HI CI SRC	35-49



### SILUO EVO S1P HI CI SRC

- 100% non-metallic toecap
- Low-cut style
- Suede and 3D mesh upper
- 3D mesh with foam lining
- Stainless steel anti-perforation interlayer
- Dual-density polyurethane outsole
- EN ISO 20345:2011 S1P HI CI SRC



REF.	DESCRIPTION	SIZE
62 461 89	Siluo Evo S1P HI CI SRC	35-49



### SOLANUM EVO S1P SRC

- 100% non-metallic toecap
- Sandal style
- Microfiber upper
- 3D mesh with foam lining
- Stainless steel anti-perforation interlayer
- Dual-density polyurethane outsole
- EN ISO 20345:2011 S1P SRC



REF.	DESCRIPTION	SIZE
62 461 91	Solanum Evo S1P SRC	35-49



### SMILO EVO S3 HI CI SRC

- 100% non-metallic toecap
- Low-cut style
- Leather upper and water repellent
- 3D mesh with foam lining
- Stainless steel anti-perforation interlayer
- Dual-density polyurethane outsole
- EN ISO 20345:2011 S3 HI CI SRC



REF.	DESCRIPTION	SIZE
62 461 84	Smilo Evo S3 HI CI SRC	35-49



### SINRA EVO S3 HI CI SRC

- 100% non-metallic toecap
- Mid-cut style
- Leather upper and water repellent
- 3D mesh with foam lining
- Stainless steel anti-perforation interlayer
- Dual-density polyurethane outsole
- EN ISO 20345:2011 S3 HI CI SRC



REF.	DESCRIPTION	SIZE
62 461 85	Sinra Evo S3 HI CI SRC	35-49



### TYLEX EVO S3 SRC

- 100% non-metallic toecap
- High boot style
- Leather upper and water repellent
- Stainless steel anti-perforation interlayer
- Dual-density polyurethane outsole
- EN ISO 20345:2011 S3 CI SRC



REF.	DESCRIPTION	SIZE
62 461 81	Tylex Evo S3 SRC	35-49



Fleece lining

## SILVEX EVO S3 CI SRC

- 100% non-metallic toecap
- High boot style
- Leather upper and water repellent
- Fleece lining
- Stainless steel anti-perforation interlayer
- Dual-density polyurethane outsole
- EN ISO 20345:2011 S3 CI SRC



REF.	DESCRIPTION	SIZE
62 461 82	Silvex Evo S3 CI SRC	35-49



## PROCLEAN EVO S2 SRC

- 100% non-metallic toecap
- Low-cut style
- Microfiber upper and water repellent
- Non-woven lining
- Dual-density polyurethane outsole
- EN ISO 20345:2011 S2 SRC



REF.	DESCRIPTION	SIZE
62 461 97	Proclean Evo S2 SRC	35-49

## HONEYWELL ULTIMATE STEEL FOOTWEAR ORDERING INFORMATION

PRODUCT NAME	SKU	DESCRIPTION
Acanto Evo S1P HI CI SRC	62 461 88	Low-cut
Plateo Evo S3 HI CI SRC	62 461 86	Low-cut
Plomita Evo S3 HI CI SRC	62 461 87	Mid-cut
Solana Evo S1P HI CI SRC	62 461 90	Mid-cut
Siluo Evo S1P HI CI SRC	62 461 89	Low-cut
Solanum Evo S1P SRC	62 461 91	Sandal
Smilo Evo S3 HI CI SRC	62 461 84	Low-cut
Sinra S3 HI CI SRC	62 461 85	Mid-cut
Tylox Evo S3 SRC	62 461 81	High boot
Silvex Evo S3 CI SRC	62 461 82	High boot with fleece lining
Proclean Evo S2 SRC	62 461 97	Low-cut

### **For More Information**

[www.honeywellsafety.com](http://www.honeywellsafety.com)

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