

# HONEYWELL OTTER PREMIUM

Take a Step Ahead in Quality



**Honeywell**  
OTTER

# INCREASED PROTECTION. ENHANCED STABILITY. IMPROVED COMFORT.

When it comes to safety, always settle for more. A world-renowned leader in safety innovation, Honeywell has joined hands with Otter, respecting its German quality values and committing to taking them further. Honeywell Otter Premium combines the heritages of the two brands, addressing workers in construction, manufacturing and many other industries who need premium-quality protective work shoes with effective performances.

Honeywell Otter Premium footwear provides premium protection, stability and comfort. Benefit from their excellent slip and cut protection, high shock absorption, antistatic properties plus high- and low-temperature resistance and be fully aware when your shoes wear off with their unique indicators. Made of quality leather, with a premium textile lining and a modern design, Honeywell Otter Premium footwear is a perfect fit for everyone, providing comfort for long time use.



*Honeywell Otter Premium Protect - SKU: 65 516 18*

# ALL-ROUND PERFORMANCE – AT YOUR FEET

Combining Otter's iconic, traditional design with quality materials and innovative functionalities, Honeywell Otter Premium shoes are created to meet your highest standards in terms of safety, durability and comfort, both indoors and outdoors.

## INCREASED PROTECTION

In European countries, slips, trips and falls are the largest cause of accidents that result in more than three days of absence from work.<sup>1</sup> If you wear inappropriate shoes while on the job, you're very likely to experience such undesired events. Honeywell Otter Premium's high-quality nitrile-polyurethane (PU) outsoles provide enhanced slip and abrasion resistance, while the steel toe caps and anti-penetration inserts offer excellent puncture protection against sharp objects. Created for both indoor and outdoor working environments, Honeywell Otter Premium shoes are oil and petrol resistant, have antistatic properties and withstand temperatures from - 18°C up to + 300°C. Stop wasting money on replacing protective shoes too often. Benefit from a longer lifespan and be constantly aware of Honeywell Otter Premium footwear's protection performance. The wear off indicators, a rare feature in its category, will notify you when it's time to let your shoes pass on and replace them with new ones.

## ENHANCED STABILITY

When the work environment includes plenty of uneven surfaces, the right boot for the job is one that delivers stability. Without adequate safety shoes, you will experience foot and leg fatigue, pain and even injuries. A quality work boot shouldn't hinder your mobility on the job, keeping you on your feet no matter the surface but also increasing your work performance. Honeywell Otter Premium's thermoplastic urethane (TPU) heel reinforcements provide excellent stability and high shock absorption, while the scuff caps, made of the same material, offer extra protection in hard environments. To achieve even more comfort and stability, you can opt for Honeywell Otter Premium cushioning gel removable insoles that absorb shocks in the impact zone.

## IMPROVED COMFORT

Employees who spend long hours on their feet need both comfort and safety. Meeting safety standards is essential, but comfort should also be high on the priority list, impacting employee attitude and performance. Made of quality leather and with a premium textile lining, Honeywell Otter Premium provides comfort from morning till the end of your longest shifts. With a traditional design, Honeywell Otter Premium safety shoes are a perfect fit for everyone – you can opt for the standard insole version, which is light and breathable, or choose the premium one, with additional gel inserts that increase shock absorption, slip resistance and comfort.

<sup>1</sup>[The State of Occupational Safety and Health in the European Union – Pilot Study. 2000.](#)  
[European Agency for Safety and Health at Work](#)

# A SHOE FOR EVERY FOOT



## CUSTOMIZE YOUR COMFORT

Created to suit your specific needs, Honeywell Otter Premium safety footwear comes up with two insole options of choice. Benefit from great comfort with the light, breathable standard insole, made from high-quality open-cell polyurethane (PU). Get to the next level of protection with the premium insole's additional hexagonal-shaped gel inserts, providing more shock absorption, slip resistance and comfort.



Honeywell Otter Premium Guard Ice - SKU: 65 516 22

## INDUSTRIES

- Construction
- Chemical
- Oil and Gas
- Industrial maintenance
- Manufacturing
- Glass industry
- Electrical industry
- Energy and solar industry
- Automotive
- Logistic and transportation
- Security – police

## THE OUTSOLE WITH A SHORT BRAKING DISTANCE

Made of a nitrile-polyurethane (PU) blend, the Honeywell Otter Premium outsole combines both materials' qualities. Due to nitrile's properties, it withstands extreme temperatures, is resistant to fuel and oils and provides excellent puncture resistance. Moreover, it adds PU's lightweight, slip resistance, flexibility and low abrasion for extra life. While the nitrile outsole ensures excellent slip protection, the TPU heel reinforce offers even better stability.

### THE PREMIUM OUTSOLE

- Nitrile-PU outsole for a very good slip, cut and abrasion resistance
- ESD approved (EN 61340-5-1:2016)
- High shock absorption
- Wear off indicators
- Durable TPU scuff cap for hard environment
- Oil and petrol resistant
- High quality steel toe cap for premium toe protection (200 Joules)
- TPU heel reinforce for better stability
- Temperature resistant from -18°C up to +300°C (short term)



## CERTIFICATION

Honeywell Otter Premium Footwear meets the requirements of EN ISO 20345:2011 and EN ISO 20349-2:2017<sup>2</sup> and will be certified soon to DGUV 112-191. Choose safety boots or shoes with complete confidence that you will be providing your workers with the best available protection.



*Honeywell Otter Premium Shield -  
SKU: 65 516 23*

<sup>2</sup> The Shield model is EN ISO 20349-2:2017 certified, protecting against risks in welding

# PERFORM BEYOND STANDARDS

After demonstrating compliance with all applicable regulations, Honeywell has gone the extra mile to prove that the Otter Premium range takes you a step ahead of requirements.<sup>3</sup>

## 1. LONGITUDINAL FLEXIBILITY – STRENGTH TO BEND THE SOLE UP TO 45°

### Principle:

The forepart of the shoe is locked, using a special device. It is bent in its flexing axis. We record the force taken to obtain a 45° flex. The result corresponds to the force expressed in newtons (N) at an angle of 45°.

### Conclusion:

The longitudinal flexing compliance of Honeywell Otter Premium has an average value of 2.93 decanewtons (daN). This translates into excellent flexibility, more comfort and less fatigue.

We debunked the myth according to which safety shoes that include steel plates offer more safety than those without metal. All Honeywell Otter Premium styles provide the same excellent protection:

- styles with steel inserts: 3.0033 daN
- styles without steel insert: 2.85 daN

## 2. THE BREATHABILITY OF THE WHOLE SHOE

### Principle:

The test consists of mounting onto the shoe a device that can simulate feet sweating conditions. The shoe and the special device assembly are placed on a weighing machine and the mass variations are monitored continuously. The evolution of mass loss is checked over time to quantify the water evaporating from the shoe. The result corresponds to the breathability of the whole shoe in grams per hour.

### Conclusion:

The amount of water (sweat) that evaporates from Honeywell Otter Premium shoes is from 1.2 grams to 3.13 grams in one hour, which translates into reduced sweating and improved comfort. Due to the high-quality materials and the special design, the shoes can offer high breathability.

## 3. INTERNAL TORSION RIGIDITY IN THE WAIST AREA

### Principle:

The test consists of longitudinally bending the shoe's forepart at an angle of 25° and then measuring the torque that must be applied to twist the shoe 30° inward and 30° outward. The result comprises the torque expressed in newton meters (N.m) taken to obtain an angle of 30°.

### Conclusion:

The internal torsion rigidity in the waist area test shows Honeywell Otter Premium provides improved comfort and safety outdoors by preventing foot twisting when walking:

- styles with steel inserts: 6,66 N.m
- styles without steel inserts: 5,03 N.m

## 4. THE SOLE'S TRANSFER COEFFICIENT

### Principle:

The test consists of generating an impact at the base of the sole identical to the impact sustained in sports activities, then recording the impact transmitted through the sole to the wearer. The result represents the transfer coefficient, which is the ratio between the maximum acceleration perceived by the wearer and the maximum acceleration generated on the sole's base.

### Conclusion:

The sole's transfer coefficient shows Honeywell Otter Premium's impact energy absorption. The results are excellent:

- the heel of the styles with steel inserts absorbs 12% of the impact in the outsole
- the heel of the styles without steel inserts absorbs 20% of the impact in the outsole

## 5. THE ENERGY RETURN FROM THE SOLE

### Principle:

The test consists of performing a compression/relaxation cycle at a rate of 20 mm/min between 25 and 4,000 N. The result corresponds to the energy returned expressed as a percentage of the energy supplied.

### Conclusion:

Honeywell Otter Premium causes less fatigue due to the improved sole, which absorbs, stores and returns kinetic energy to the wearer. Thanks to the high energy level returned, Honeywell Otter Premium supports the muscles during the natural walking motion.

### Transmitted energy

- styles with steel plates: 2,493 N
- styles without steel plates: 2,579 N

### Restored energy:

- styles with steel plates: 1,670 N
- styles without steel plates: 1,704 N

### Percentage of transmitted energy:

- styles with steel plates: 67%
- styles without steel plates: 65%

<sup>3</sup> Test results represent average values

# HONEYWELL OTTER PREMIUM STYLES



## PROTECT S2 HRO SRC ESD

- Extra wide metallic toecap
- TPU coat
- Low-cut style
- Soft upper textile material with waterproof features
- Mesh lining with foam
- PU/Nitrile outsole
- Wear off indicators
- HRO marking: resistance to hot contact
- ESD marking: electrical resistance
- EN ISO 20345:2011 S2 HRO SRC ESD



## PROTECT AIR S1 HRO SRC ESD

- Extra wide metallic toecap
- TPU coat
- Low-cut style
- Breathable mesh material
- Mesh lining with foam
- PU/Nitrile outsole
- Wear off indicators
- HRO marking: resistance to hot contact
- ESD marking: electrical resistance
- EN ISO 20345:2011 S1 HRO SRC ESD



## PROTECT AIR S1P HRO SRC ESD

- Extra wide metallic toecap
- TPU coat
- Low-cut style
- Breathable mesh material
- Mesh lining with foam
- Stainless steel anti-perforation interlayer
- PU/Nitrile outsole
- Wear off indicators
- HRO marking: resistance to hot contact
- ESD marking: electrical resistance
- EN ISO 20345:2011 S1P HRO SRC ESD





### PROTECT MID S2 HRO SRC ESD

- Extra wide metallic toecap
- TPU coat
- Mid-cut style
- Soft upper textile material with waterproof features
- Mesh lining with foam
- PU/Nitrile outsole
- Wear off indicators
- HRO marking: resistance to hot contact
- ESD marking: electrical resistance
- EN ISO 20345:2011 S2 HRO SRC ESD



### GUARD S3 HI HRO SRC ESD

- Extra wide metallic toecap
- TPU overcap
- Low-cut style
- High quality full grain leather upper
- Black mesh lining with foam
- Stainless steel anti-perforation interlayer
- PU/Nitrile outsole
- Wear off indicators
- HI marking: resistance to inimical environments  
- heat insulation of the sole complex
- HRO marking: resistance to hot contact
- ESD marking: electrical resistance
- EN ISO 20345:2011 S3 HI HRO SRC ESD



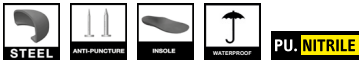
### GUARD MID S3 HI HRO SRC ESD

- Extra wide metallic toecap
- TPU overcap
- Mid-cut style
- High quality full grain leather upper
- Black mesh lining with foam
- Stainless steel anti-perforation interlayer
- PU/Nitrile outsole
- Wear off indicators
- HI marking: resistance to inimical environments  
- heat insulation of the sole complex
- HRO marking: resistance to hot contact
- ESD marking: electrical resistance
- EN ISO 20345:2011 S3 HI HRO SRC ESD



## **GUARD ICE** **S3 HI CI HRO SRC ESD**

- Extra wide metallic toecap
- TPU overcap
- High boot
- High quality full grain leather upper
- 3M™ Thinsulate™ lining for extra winter comfort
- Stainless steel anti-perforation interlayer
- PU/Nitrile outsole
- Wear off indicators
- HI and CI markings: resistance to inimical environments  
- heat insulation and cold insulation of the sole complex
- HRO marking: resistance to hot contact
- ESD marking: electrical resistance
- EN ISO 20345:2011 S3 HI CI HRO SRC ESD



## **SHIELD** **S3 A CI E WG HI-1 HRO SRC**

- Extra wide metallic toecap
- Welding boot
- High quality full grain leather upper
- Mesh lining with foam
- Stainless steel anti-perforation interlayer
- PU/Nitrile outsole
- Wear off indicators
- A marking: electrical properties - antistatic footwear
- E, CI and HI markings: resistance to inimical environments - energy absorption of the seat area, cold insulation and heat insulation of the sole complex
- HRO marking: resistance to hot contact
- EN ISO 20349-2:2017 S3 A CI E WG HI HRO SRC

## ORDERING INFORMATION

| HONEYWELL OTTER PREMIUM ORDERING INFORMATION |           |              |
|--|-----------|--------------|
| PRODUCT NAME                                 | SKU       | DESCRIPTION  |
| Protect S2 HRO SRC ESD                       | 65 516 18 | Low-cut      |
| Protect Mid S2 HRO SRC ESD                   | 65 516 19 | Mid-cut      |
| Protect Air S1 HRO SRC ESD                   | 65 516 17 | Low-cut      |
| Protect Air S1P HRO SRC ESD                  | 65 516 36 | Low-cut      |
| Guard S3 HI HRO SRC ESD                      | 65 516 20 | Low-cut      |
| Guard Mid S3 HI HRO SRC ESD                  | 65 516 21 | Mid-cut      |
| Guard Ice S3 HI CI HRO SRC ESD               | 65 516 22 | High boot    |
| Shield S3 A CI E WG HI 1 HRO SRC             | 65 516 23 | Welding boot |

## **For More Information**

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

### **HONEYWELL SAFETY PRODUCTS UNITED KINGDOM**

Honeywell Safety Products UK LTD

Edison Road

Basingstoke RG21 6QD

Phone: +44 (0) 1256 693 200

Fax: +44 (0) 1256 693 300

Email: [info-uk.hsp@honeywell.com](mailto:info-uk.hsp@honeywell.com)

### **HONEYWELL SAFETY PRODUCTS NORDICS**

Honeywell Safety Products Nordic AB

Strandbadsvägen 15

SE-252 29 Helsingborg – Sverige

Phone: +46 (0) 424480433

Email: [info-nordic.hsp@honeywell.com](mailto:info-nordic.hsp@honeywell.com)

### **HONEYWELL SAFETY PRODUCTS BENELUX**

Honeywell Safety Products Benelux BV

Hermeslaan 1H – 1831 Diegem

Phone: +32 (0) 2 728 2117

Fax: +32 (0) 2 728 2396

Email: [info-benelux.hsp@honeywell.com](mailto:info-benelux.hsp@honeywell.com)