STEP UP IN COMFORT

V12 FOOTWEAR®



COMFORT MEANS STANDING FIRM

OCTANE IGS V1920

IGS Intelligent Grip System

SPECIFICATION SHEET

Description

This metal free hiker provides maximum comfort and durabilitiy. Featuring a lightweight nano composite toecap and a protective midsole, this hiker is completely vegan - constructed from leather free, water repellent material. The IGS sole ensures excellent grip on all surfaces, and superb cushioning underfoot, thanks to a full length EVA midlayer. Fully ESD compliant.

Safety Specification

EN ISO 20345:2011 S3 HI HRO ESD SRC

Chemical Resistance

Tested against chemical splash (Sodium Hydroxide and Sulphuric Acid) in accordance with footwear performance TYPE U specified in EN13832-2:2018

Heat Resistant

Anti-Static

Composite Toecap

Composite midsole

Metal Free

Vegan Friendly

Size

Available in sizes: UK 6 - 15 (EU 39 - 50)

Upper

Constructed from advanced materials, this breathable leather free hiker is completely Vegan friendly and water repellent.

Lining

Durable moisture wicking and highly breathable lining.

Insole

The dual comfort insole features unique airflow channels to maximise air circulation and reduce heat. With twin anti-shock foam pods the heel and the ball of the foot, this insole will provide daylong comfort where you need it most.

Toecap

Cutting edge, low profile, lightweight nano-composite non sparking and thermal insulating toecap. It has been tested to the impact of 200 Joules.

Protective midsole

Flexible woven composite material, pierce resistant to 1100N.

Sole

GRIP 2018

Inspired by tyre technology and made from highly durable rubber, the IGS sole unit features a unique hexagonal tread ensuring superior traction, ladder grips offering firefighter levels of safety and a re-designed heel strike pad delivering exceptional water dispersal. The IGS is heat resistant to approximately 300°C and tested to HI spec in accordance with EN ISO 20345:2011. Non-marking and resistant to diesel, fat acid and alkali.

Weight

612g* based on a size 8 (42).

Warranty

We design our boots to the highest standard to ensure they keep you safe day after day. We're so confident that our boots will stand the test of time, that we offer a 200 day gaurantee as standard.

©V12 Footwear

Take comfort in the safety features

Classification	Test Performed	Safety Standards				
		S1	S2	S3	SBP	S1P
SB	Toe protection tested with 200J impact and 15kN compression force	✓	✓	✓	✓	✓
P	Penetration resistant outsole tested at 1100 newtons			✓	✓	✓
A	Electrical resistance between foot and ground of between 0.1 and 1000 mega ohms	✓	✓	✓		✓
E	Energy absorption of the seat region tested at 20 joules	✓	✓	✓		✓
WRU	Water resistant upper leather		✓	✓		

Additional test classifications

HRO	Heat resistant outsole compound tested at 300°C
CI	Insulation against the cold - temperature drops less than 10°C when tested at -17°C
M	Metatarsal protection - tested to 100J impact
SRA	Slip resistant on ceramic tile floor with sodium lauryl sulphate solution
SRB	Slip resistant on steel floor with glycerol
SRC	Slip resistant for both SRA and SRB

Foot comfort advice

When you spend all day on your feet, discomfort can cause all manner of medical problems, beyond simple aches. We've spent years researching the strains your feet come under and have prepared this chart to help you diagnose and alleviate some common causes of discomfort.

Complaint	Possible cause	Suggested action
Ingrowing Toenail Very painful if knocked.	Nails cut too short.	Cut nails square and wear wide fitting footwear with padded interior to protect toes.
Aching feet	Stiff footwear or footwear that flexes in the middle of the arch instead of at the ball of the foot.	Wear footwear with a shank – this means footwear bends with the foot and not against it.
Athlete's foot A fungal infection that thrives in dark damp places.	Sweaty footwear, or damp footwear that has not been allowed to dry out. Fungal infections can spread very quickly from one foot to the other.	Wear breathable footwear and make sure shoes dry out well overnight. Full grain leather is essential if leather footwear is required. Buy a new pair of insoles and use a recommended powder, available from chemists.
Hammer toe Toe(s) curl over and stiffen in an unnatural position.	Footwear that is too small or too narrow, causing toes to bunch up.	Wear footwear that is wider fitting and the correct size. All the V12 Footwear is wide fitting.
Bunions/corns Hard patches of skin on toes.	Narrow-toed ill-fitting footwear.	Wear wider fitting footwear to ensure feet have plenty of room.
Plantar fasciitis Inflammation of tissue on the bottom of the heel.	Poor quality footwear with little or no shock absorption.	Wear the correct arch fitting Dynamic Arch insole to alleviate pain. If pain persists for more than one month consult a doctor or podiatrist.

Footwear care

Keep your footwear in top condition to maintain its comfort and extend its life.

1 Remove footbeds

At the end of a day's work, take out the footbeds and allow them to dry out and air properly overnight. Otherwise, dampness inside your footwear can cause bad odors and allow bacteria to thrive.

2 Regular cleaning

Brush the worst off muddy boots before wiping them with warm water. Allow them to dry out naturally – placing them on a warm boiler or in an airing cupboard can cause the leather to crack.

3 Insole care

Once a month, take out the insoles and run them through the washing machine for a freshen up.

4 Leather care

Getting footwear wet on a regular basis will eventually cause the leather to dry out and crack. To combat this, treat your boots occasionally with Chelsea Leather Food – this will rejuvenate the leather and keep its water resistant qualities.

5 Don't forget the socks!

Good quality socks made of natural material such as cotton will make all the difference to your comfort, providing good cushioning and wicking away moisture.

COMFORT MEANS A BOOT WELL WORN

At V12, we walk in our shoes first. From railway tracks to building sites, our fleet of V12 test pilots put our footwear through its paces. Years of research and development are stitched into every pair. The result? Safety boots that are as comfortable as the day is long.

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