

STEP UP IN
COMFORT



COMFORT MEANS STANDING FIRM

INVINCIBLE IGS V2185



SPECIFICATION SHEET

W
Women's-
Specific Fit



Intelligent
Grip System

Description

A waterproof and breathable safety boot, tailored to the female foot shape, constructed from water-resistant black leather hide, featuring a scuff resistant toe and heel for durability. A patented metatarsal protection system including graphene enforced carbon fibre strap outperforms all other brands in metatarsal impact resistance. Advanced cushioning material safeguards ankles from impact. Lightweight and metal-free, it is built on the V12 comfort shape last and has an improved shock absorbing foot-bed for daylong comfort.

Safety Specification

EN ISO 20345:2022 S7L AN FO HRO LG M SC SR



ANTI-STATIC



HEAT-RESISTANT



METAL-FREE



WATERPROOF + BREATHABLE



COMPOSITE MIDSOLE



COMPOSITE TOE CAP



KENNEDY GRATING SLIP-TESTED



SCAFFOLD BOARD SLIP-TESTED



IMPACT-RESIST ANKLE PROTECTION



METATARSAL PROTECTION



LADDER GRIPS

Size

Available in sizes: 2 - 8 (35 - 42)

Upper

S7L waterproof leather with fully waterproof and breathable lining. A full bellows tongue helps to prevent dirt and water ingress, and an ergonomic padded collar provides additional comfort when driving.

Lining

Moisture-wicking and highly breathable lining keeps feet cool in summer and warm in winter.

Footbed

Heel pump shock-absorbing foot-bed. Contoured to support the foot, breathable, comfortable and hard-wearing with air channels to wick moisture and reduce heat build-up and odour.

Toecap

Nanotechnology used to make incredibly strong yet lightweight wide-fitting composite toecaps, which are also non-sparking and thermal insulating. Tested to impact of 200 Joules.

Protective midsole

A woven fibre midsole designed to protect from sharp objects entering underfoot.

Sole

Inspired by tyre technology and made from highly durable rubber, the IGS sole unit features a unique hexagonal tread ensuring superior traction. Ladder grips offer firefighter levels of safety and a re-designed heel strike pad delivers 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.

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 guarantee as standard.

Take comfort in safety features

Classification	Test Performed	Safety Standards													
		SB	S1	S2	S3	S3L	S3S	S4	S5	S5L	S5S	S6	S7	S7L	S7S
SB	Safety toe cap protection only, tested with 200 J impact and 15 kN compression force.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HRO	Heat-resistant outsole compound: shall withstand 300°C for 60 seconds														
FO	Resistance to fuel oil														
LG	Ladder grip														
SC	Scuff cap abrasion														
P	(Metal insert type P) Penetration-resistant outsole: lowest penetration value required shall not be less than 1,100 N				✓				✓				✓		
PL	(Non-metal insert type PL) Penetration-resistant outsole: Lowest penetration value required shall not be less than 1,100 N and no separation of the layers shall occur during all tests.					✓				✓				✓	
PS	(Non-metal insert type PS) Penetration-resistant outsole: Average penetration value shall not be less than 1,100 N with no single value shall be lower than 950 N							✓				✓			✓
A	Anti-static: electrical resistance between foot and ground of between 0.1 and 1,000 mega ohms*		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
C	Partially conductive footwear. The electrical resistance shall not be greater than 0.1 mega ohms between foot and ground*														
CI	Insulation against the cold: 30 minutes at -17°C, the decrease shall not be more than 10°C														
HI	Insulation against heat: 30 minutes at 150°C, the rise shall not be higher than 22°C														
E	Energy absorption of the seat region: energy absorbed to be not less than 20 J		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WPA	Water penetration and absorption (water-resistant and breathable)			✓	✓	✓	✓					✓	✓	✓	✓
AN	Ankle protection: 10 N impact mean transferred force shall not exceed 10 kN and no single value shall exceed 15 kN.														
WR	Water-resistant footwear (waterproof membrane)											✓	✓	✓	✓
CR	Cut-resistant upper: cut-resistant index to exceed 2.5														
M	Metatarsal protection 100 J impact energy														
	Slip resistance now seen as mandatory, so no symbol given														
SR	Slip test will feature glycerine on ceramic tile surface														
∅	No test given – for footwear featuring spikes or studs on sole														

FOOT HEALTH ADVICE



For foot health advice scan the QR code.

BOOT CARE ADVICE



For boot care advice scan the QR code.



Unsure if these are the boots you need or the best boots for your application from the V12 range? Check with our Boot Finder.

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