SPECIFICATION SHEET



DEFIANT IGS
E1300.02

Safety Specification
S3S SC FO HRO LG SR

ZIP SIDE

SCAFFOLD BOARD SLIP-TESTED

KENNEDY GRATING SLIP-TESTED

CHEQUER PLATE SLIP-TESTED

LADDER GRIPS

ADDITIONAL SLIP TESTED

PUNCTURE-RESISTANT (NON-METAL)

TOECAP

HARD-WEARING SCUFF CAP

WATER-RESISTANT UPPER

HEAT-RESISTANT

FUEL OIL-RESISTANT

ENERGY ABSORPTION

CLOSED HEEL

ANTI-STATIC

CLEATED OUTSOLE

Description

- A durable, lightweight & water-resistant zip-sided safety Hi-leg
- Toes stay protected with a fibreglass toecap
- Underfoot is safe with a flexible fibreglass midsole
- Wearer is given outstanding ankle support
- Stable grip on slippery surfaces with the IGS™ sole
- Long-lasting safety with an abrasion-resistant scuff cap
- A lightweight PU sole gives long-lasting rebound comfort

Toecap

Feet are kept safe from heavy or dropped items with a strong but lightweight fibreglass toecap, tested to 200J.

Protective midsole

Feet are kept safe from sharp items entering underfoot with a strong but lightweight fibreglass anti-penetration midsole, tested to 1,100N.

Size

Available in sizes:
3 - 13 (36 – 48)

Weight

849g

based on a size 8 (42)

Sole

Slip safety ensured with the innovative IGS™ sole unit, featuring ladder grips for working safely at height and a water-dispersing tread to keep the wearer stable on slippery and contaminated surfaces.

A redesigned lightweight Polyurethane construction has reduced the weight of each boot by 100g, while the superior rebound properties optimize cushioning and comfort, plus ensuring performance over time.

Upper

Feet stay cool and comfortable with a supple, water-resistant and breathable leather upper including a full bellows tongue to prevent dirt and water entry, while water is shed away from the boot with specially designed downward facing seams. An efficient and easy on/off is achieved with a side zip.

Footbed

Feet remain cool and sweat-free with a heel pump and heat-reducing air flow channels, while cushioned and resilient rebound PU open-cell foam offers superb comfort and support.

Lining

Feet stay cool and sweat-free with a moisture wicking and highly breathable padded lining.

Warranty

We're so confident that our boots will stand the test of time, we offer a 200-day guarantee as standard.

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EN ISO 20345:2022 standards for general purpose safety footwear, plus additional (optional) safety features.

Features	Test Performed	Safety Classifications													
		SB	S1	S2	S3	S3L	S3S	S4	S5	S5L	S5S	S6	S7	S7L	S7S
	Slip resistance now seen as mandatory, so no symbol given	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SB	Safety toecap protection only, tested with 200 J impact and 15 kN compression force	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
A	Anti-static: electrical resistance between foot and ground of between 0.1 and 1,000 mega ohms*		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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)			✓	✓	✓	✓					✓	✓	✓	✓
WR	Water-resistant footwear (waterproof membrane)											✓	✓	✓	✓
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						✓				✓				✓

Additional Safety Features

HRO	Heat-resistant outsole compound: shall withstand 300°C for 60 seconds
FO	Resistance to fuel oil
LG	Ladder grip
SC	Scuff cap abrasion
CR	Cut-resistant upper: cut-resistant index to exceed 2.5
M	Metatarsal protection 100 J impact energy
SR	Slip test will feature glycerine on ceramic tile surface
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
AN	Ankle protection: 10 N impact mean transferred force shall not exceed 10 kN and no single value shall exceed 15 kN

FOOT HEALTH

For foot health advice, scan the QR code.

BOOT CARE

For boot care advice, scan the QR code.

If you're unsure if these are the right boots for you and your environment, head to our boot finder by scanning the QR code and we'll give you our expert recommendations from the V12 range.

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