

TOUGH GRITT | COMFORT FITT™



# **SAFETY BOOTS**



- STEAL TOE CAP
- SAFTEY BASIC
- CLOSED SEAT REGION
- ANTISTATIC
- ENERGY ABSORPTION OF SEAT REGION ANTISTATIC
- FUEL OIL RESISTANT OUTSOLES

- STEAL TOE CAP
- STEEL MIDSOLE
- SAFTEY BASIC
- CLOSED SEAT REGION
- ENERGY ABSORPTION OF SEAT REGION
- FUEL OIL RESISTANT OUTSOLES
- WATER RESISTANT OF UPPER

- STEAL TOE CAP
- STEEL MIDSOLE
- SAFTEY BASIC
- **CLOSED SEAT REGION**
- **ANTISTATIC**
- **ENERGY ABSORPTION OF SEAT REGION**
- FUEL OIL RESISTANT OUTSOLES
- WATER RESISTANT OF UPPER
- PENETRATION RESISTANT OF OUTSOLE
- **CLEATED OUTSOLE**









# BASSALT

# SMOOTH COW LEATHER

### SPECIFICATIONS:

Lining: Air Mesh

Sole: Polyurethane midsole shank

Insole: Infused foam;

Removeable sock

LEVEL: S1

COLOURS: BLACK

CHOCOLATE

**DELIVERY**: OCTOBER

















# BASSALT

# SMOOTH COW LEATHER

### SPECIFICATIONS:

Lining: Air Mesh

Sole: Polyurethane midsole shank

Insole: Infused foam;

Removeable sock

LEVEL: S1

COLOURS: BLACK

CHOCOLATE

**DELIVERY**: OCTOBER

















# DOLOMITE

# SPLIT COW LEATHER

### SPECIFICATIONS:

Lining: Air Mesh

Sole: Polyurethane Eyelets: Metal hole

Ly crotte.

Insole: Infused foam;

Removeable sock

LEVEL: S1

COLOURS: BLACK

**DELIVERY**: OCTOBER















# QUARTZ

# SMOOTH COW LEATHER

### SPECIFICATIONS:

Lining: Air Mesh

Sole: Polyurethane

Eyelets: Metal hole + Hooks

Insole: Infused foam;

Removeable sock

LEVEL: S1P

COLOURS: BLACK

CHOCOLATE

**DELIVERY**: OCTOBER



















# QUARTZ

# SMOOTH COW LEATHER

### SPECIFICATIONS:

Lining: Air Mesh

Sole: Polyurethane

Eyelets: Metal hole + Hooks

Insole: Infused foam;

Removeable sock

LEVEL: S1P

COLOURS: BLACK

CHOCOLATE

**DELIVERY**: OCTOBER

















# SLATE

# CRAZY HORSE LEATHER

### SPECIFICATIONS:

Lining: Air Mesh + Comfort Collar

Sole: Polyurethane + Rubber outer

sole

Eyelets: Metal hole + Hooks

Insole: Infused foam;

Removeable sock

LEVEL: S3

COLOURS: BLACK

CHOCOLATE

**DELIVERY**: NOVEMBER

















# SLATE

# CRAZY HORSE LEATHER

### SPECIFICATIONS:

Lining: Air Mesh + Comfort Collar

Sole: Polyurethane + Rubber outer

sole

Eyelets: Metal hole + Hooks

Insole: Infused foam;

Removeable sock

LEVEL: S3

COLOURS: BLACK

CHOCOLATE

DELIVERY: NOVEMBER

















# SLATE

# LEATHER

### SPECIFICATIONS:

Lining: Air Mesh + Comfort Collar

Sole: Polyurethane + Rubber outer

sole

Eyelets: Metal hole + Hooks

Insole: Infused foam;

Removeable sock

LEVEL: S1P

COLOURS: BROWN

**DELIVERY**: NOVEMBER

















# **FLINT**

# CRAZY HORSE LEATHER

### SPECIFICATIONS:

Lining: Air Mesh

Sole: Polyurethane + Rubber outer

sole

Eyelets: Metal hole + Hooks

Insole: Infused foam;

Removeable sock

LEVEL: S3

COLOURS: BLACK

CHOCOLATE

DELIVERY: NOVEMBER

















# **FLINT**

# CRAZY HORSE LEATHER

### SPECIFICATIONS:

Lining: Air Mesh

Sole: Polyurethane + Rubber outer

sole

Eyelets: Metal hole + Hooks

Insole: Infused foam;

Removeable sock

LEVEL: S3

COLOURS: BLACK

CHOCOLATE

**DELIVERY**: NOVEMBER















# FLINT

# LEATHER

### SPECIFICATIONS:

Lining: Air Mesh

Sole: Polyurethane + Rubber outer

sole

Eyelets: Metal hole + Hooks

Insole: Infused foam;

Removeable sock

LEVEL: S1P

COLOURS: BLACK

**DELIVERY**: NOVEMBER











# **PACKAGING**

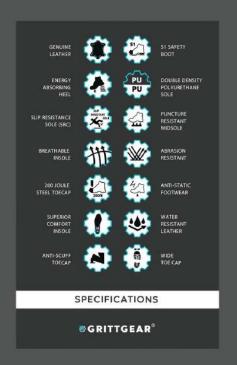






# SWINGTAG















### TOUGH GRITT I COMFORT FITT

# S1, S1P & S3 SAFETY BOOT GUIDE

GrittGear® boots, crafted with premium Crazy Horse, are stylish safety work boots with an integrated steel toecap and midsole that has an oil, slip, and heat-resistant outsole designed to protect the wearer from mechanical and anti-static shock hazards.

Made from durable full-grain Crazy Horse leather with a natural wax coating, resulting in a rugged upper finish that is chromium VI-free, inherently breathable, flexible, and soft, with excellent tear and abrasion-resistant properties, making these boots comfortable for daily wear.

These boots are suitable for various industries, including warehouse, freight, mining, engineering, and construction. GrittGear\* safety footwear is manufactured using the state-of-the-art DESMA 24-station Robotic machine, employing a direct injection moulding process to create a high-quality PU outsole.

As these boots have anti-static properties, they protect workers, sensitive equipment, and components from electrostatic discharges present in general manufacturing industries, refineries, computer equipment manufacturing, the medical industry, and many other environments.

# GRITTGEAR\*



### **KEY FEATURES**

- · Heat insulation up to 95°C
- · Cleated outsole for added traction · Energy-absorption heel for comfort
- · Wider toecap for extra room and comfort
- · Oil and slip-resistant outsole, SRC certified.
- · Steel midsole for protection against penetration
- Impact-resistant steel toecap rated up to 200 ± 4 Joules
- · Scuff cap for extra toe reinforcement and increased durability
- Dual-density PU lightweight outsole with anti-static technology
- · Polyester pull tags + elastic side gussets for easy donning and doffing
- · Removable breathable PU + Memory Foam insock for superior comfort

### MATERIALS

UPPER: Ox Crazy Horse leather INSOLE: Anti-static non-woven material FULL REMOVABLE INSOCK: Polyurethane with memory foam.

TOECAP: Steel, impact resistant up to 200J ± 4J Outsole: Dual-density PU (Polyurethane)

#GRITTGEAR\*

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NIK SUZE	3										
US SUITE	E 15.10	1	•	7		,	10	111	12	13	14
EU SIZE	. 107	35	33	48	41	42	43	64	46	-85	47

REFERENCES: ISO 20345: 2011

#### STANDARD

This safety footwear adheres to the EC Directive for Personal Protective Equipment (Directive 89/686/EEC) and satisfies the specifications outlined in the European standard EN ISO 20345:2011. The footwear is crafted using a combination of synthetic and natural materials that comply with the applicable sections of EN ISO 20345:2011 to ensure performance and quality.

The primary aim of safety footwear is to reduce the risk of injury caused by the wearer during usage. It is intended to be used alongside a safe working environment and cannot entirely eliminate the possibility of injury if an accident occurs beyond the testing parameters of EN ISO 20345-2011.

#### TOECAPS

GrittGear® protective boots come equipped with toecaps. These toecaps serve to shield the wearer's toes from potential injury caused by falling objects and crushing in industrial and commercial settings where hazards are prevalent. They offer primary protection alongside any supplementary safeguards applicable in the following ways:

The impact protection level is rated at 200 Joules. Compression protection is provided up to 15,000 Newtons.

The marking on the footwear indicates that it complies with the PPE Directive and is detailed as follows:



\*GRITTGEAR\*

# **T** SAFETY BOOTS

This category of work footwear fulfills the basic safety criteria. Key elements of an S1 safety shoe include:

- 1. Protective toe cap: Shields toes against impact, sharp objects, or
- 2. Antistatic sole: Safely disperses electrical charges, minimizing the potential for electrostatic discharges.
- 3. Shock-absorbing heel: Minimizes impact on joints and the body. An S1 safety shoe is well-suited for dry working conditions.

# **∰** SAFETY BOOTS

What sets apart 51 from 51P? The 'P' in S1P signifies 'perforation', indicating that STP work shoes come with an anti-perforation system, safeguarding against nails or splinters piercing the foot soles. Apart from this, S1P safety shoes share the same characteristics as S1 work shoes. Here's a summary of these features:

- 1. Both S1 and S1P feature a robust toecap, providing essential toe
- 2. Antistatic properties in both types decrease the risk of electrostatic discharges.
- 3. An energy-absorbing heel is present in both, reducing impact on heels and the body.

# 掛 SAFETY BOOTS

What does the designation "53" signify in occupational footwear? Well, this particular category is widely favored due to its comprehensive protection on the workplace floor. Here's a summary of its key attributes:

- 1. Impenetrable midsole: Unlike its S1 and S2 counterparts, S3 work shoes feature an anti-perforation midsole, preventing nails or glass shards from penetrating and causing foot injuries.
- 2. Waterproof construction: S3 safety shoes are highly suitable for work environments exposed to wet or damp conditions.
- 3. Protective toecap: Shields toes from sharp objects.
- 4. Slip-resistant outsole: Ensures secure traction on various slippery
- 5. Antistatic properties: Reduces the risk of electrostatic discharges.
- 6. Energy-absorbing heel: Minimizes impact on the body.

These safety shoes are specifically engineered for work settings demanding heightened protection levels, such as construction sites, warehouses, and industrial facilities. Opt for \$3 footwear for optimal safety, protection, and comfort throughout your daily tasks.

# GRITTGEAR\*



### ADDITIONAL REQUIREMENTS FOR SPECIAL APPLICATION

Additional protection may be provided and this is identified on the product by its marking as follows:

PROTECTION TYPE	LEVEL	MARKING CODE
Penetration Resistance	1100 Newtons	
Electrical Properties:		
Conductive	>100 kΩ	
Antistatic	100kΩ to 1000MΩ	C A
Electrical Insulating	Class 0 or 00	
Resistance to inimical environments:		
Insulation against cold	insole decrease	
	in temperature >10 0C	CI
Insulation against heat	Insole Increase	
	in temperature < 22 °C	HI
Energy absorption of seat region	20 Joules	
Water resistance	no water penetration	
	before 15min.	WR
Metatarsal protection	as per 6.2.6.2 (table 15)	M
Ankle protection	AM >20kN (max 30kN)	AN
Water resistant uppers	0.2g @ 30%	WRU
Cut resistant upper	cut factor less than 2.5	CR
Resistance to hot contact	300°C	HRO
Besistance to fuel oil a facturar colocta		protection

required and wear environment.

Where a wear environment is not known, it is very important that consultation is

Where a wear environment is not known, it is very important that consultation is carried out between the seller and the purchaser to ensure, where possible, the correct footwear is provided.

#### Slip Resistance Requirement

This footwear has been successfully tested against the EN ISO 20344:2011, clause 5.3.5.2, 5.3.5.3 or 5.3.5.4 and the following marking symbols apply.

SLIP RESISTANCE PROPERTIES	MARKING CODE
Slip resistance on ceramic tile floors with NaLS	SRA
Slip resistance on steel floor with glycerine	SRB
Slip resistance on ceramic tile floor with *NaLS and	
on steel floor with alycerine	SRC
*NaLS =sodium lauryl sulphate	
Mark Glorege may still group in certain environments.	

CATEGORY	CLASS (*I) and (**II)	REQUIREMENT		
5B		Impact & Compression		
S1		SB + Closed Seat + A + E		
51P		S1 + P		
52		S1 + WRU		
53		52 + P + Cleated Outsole		
54	10	SB+A+E		
54 55	1,0	S4 + P + Cleated Outsole		

#### nsock

This boot is supplied with a removable insock. Please note testing was carried out with the insock in place. This boot shall only be used with the insock in place. The insock shall only be replaced by a comparable insock from the supplier.

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#### ANTI-STATIC FOOTWEAR

When necessary to minimize electrostatic buildup and dissipate charges, anti-static footwear should be utilized to mitigate the risk of spark lignition from flammable substances or vapors, and to reduce the potential for electric shock from electrical apparatus or live parts. It's important to note that while anti-static footwear introduces resistance between the foot and the floor, it cannot guarantee complete protection against electric shock, Therefore, additional precautions are essential where the risk of electric shock persists. These precautions, along with additional tests mentioned below, should be incorporated into the workplace's accident prevention program.

Experience has demonstrated that for effective anti-static purposes, the discharge path through a product should typically maintain an electrical resistance of less than 1,000 MΩ throughout its useful life. A minimum resistance limit of 100 kD is specified for new products to offer some protection against dangerous electric shock or ignition at voltages up to 250 V. However, users should be aware that under certain conditions, the footwear may provide inadequate protection, necessitating additional measures to ensure the wearer's safety.

The electrical resistance of anti-static footwear can be significantly altered by flexing, contamination, or moisture. Therefore, the footwear may not function as intended when worn in wet conditions. It is imperative to verify that the product can effectively dissipantive to verify that the product can effectively dissipantial charges and provide protection throughout its lifespantistablishing an in-house test for electrical resistance, conducted regularly and frequently, is recommended.

Class I footwear can absorb moisture and may become conductive if worn for extended periods in moist or wet conditions. Additionally, if the solling material becomes contaminated during wear, users should verify the footwear's electrical properties before entering hazardous areas.

When using anti-static footwear, the flooring's resistance should not compromise the protection provided by the footwear, insulating elements should not be introduced between the inner sole of the footwear and the wearer's foot, if any insert is placed between the inner sole and the foot, the combination of footwear and insert should be checked for its electrical properties.

### **®GRITTGEAR**®

#### SPECIAL INSTRUCTIONS

All safety protective footwear should be thoroughly inspected before

- If safety boots are damaged during use, suitable protection is not quaranteed and must be replaced immediately.
- PU (Polyurethane) outsole compositions are not resistant to water contact such as wet or muddy environments. (Only footwear made entirely of plastic or rubber is classified as water-resistant.)
- As PU (Polyurethane) becomes brittle, wear the boot regularly to maintain flexibility and support the lifespan of this boot.
- None of the materials or processes used in the manufacture of these products are known to be harmful to the wearer.
- Safety footwear shall not adversely affect the health or hygiene of the
  user. Safety footwear shall be made of materials such as textiles, leather,
  rubbers, or plastics that have been shown to be chemically suitable. The
  materials shall not, in the foreseeable conditions of normal use, release
  or degrade to release substances generally known to be toxic,
  carcinogenic, mutagenic, allergenic, toxic to reproduction, or otherwise
  harmful.
- The manufacturer has examined the system for ensuring the quality of production through monitoring and inspection.
- These safety boots are designed to accommodate the basic safety requirements and standards for Personal Protective Equipment.
- . Do not use these boots near a fire or open flame.
- The information contained herein is intended to assist the wearer in the selection of personal protective equipment. Actual conditions of use cannot be directly simulated in a test environment; therefore, it is the responsibility of the end user, and not the manufacturer or supplier, to determine the footness? suitability for the intended use.
- It is important to note that footwear is subject to different conditions encountered in everyday use, and it is impossible to make footwear resistant to slip in all conditions. Nevertheless, problems are minimized if the guideline coefficients of friction are achieved.
- If the footwear is cared for and worn in the correct working environment and stored in dry ventilated conditions, it should give a good wear life without the premature failure of the outsole, upper, and upper stitching.

#### COMPLIANCE & CONFORMITY

Complies with the requirements of CE type examinations, EN ISO 20345:2011 that specify basic and additional (optional) requirements for safety footwear used for general purposes. It includes, for example, mechanical risks, slip resistance, thermal risks, and ergonomic behavior for compliance with directive 89/89/FFC.

### **\*GRITTGEAR**\*

#### **CLEANING & MAINTAINANCE**

- After each use, wipe dirt & mud off boots with a damp cloth & detergent.
- Allow boots to air dry at room temperature thoroughly between uses.
   Avoid drying boots near heat sources & dry them carefully to prevent damage from hourst temperature changes.
- Do not leave safety boots contaminated if you plan to reuse them, especially in hazardous conditions.
- Due to the diverse materials and contaminants encountered by footwear, it is advisable to consult a professional cleaning service for the best cleaning method.

### PACKAGING, STORAGE & OBSOLESCENCE

oots are packed as individual pairs in a box.

Store in a cool, dry place away from direct sunlight to avoid leather damage. Recommended storage conditions (temperature and relative hymidity) ensure proper footweat per formance.

Footwear with PU outsoles is biodegradable but can undergo Hydrolysis if stored in dark, moist, or wet environments for extended periods. Regular footwear use and storage in a dry, well-ventilated area help prevent early decradation.

The packaging box is suitable for storing the footwear when not in use. Avoid placing heavy objects on top of the box containing footwear to prevent damage.



STORE UN-USED BOOTS
IN IT'S BOX AND STORE
IN A DRYNON-CONTAMINATED
AREA. RETWEEN 2°C
[Celsius] AND +55°C (Celsius)





### **WARRANTY & RETURNS**

Each return and warranty request is evaluated individually. Our policy regarding returns and warranties can be provided upon request.

#### DISPOSAL

roper disposal of all industrial waste should adhere to local regulations nd best practices. Kindly consider recycling options.

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# DANGEE CARKEN®

FIRST IN SAFETY FOOTWEAR<sup>TM</sup>