TECHNICAL DATA SHEET

FRASER Pro BOA® GTX High ESD HI3 CI Typ F1PA No. 768901 — Sz. 35 - 50





LABELLING ACCORDING TO STANDARD

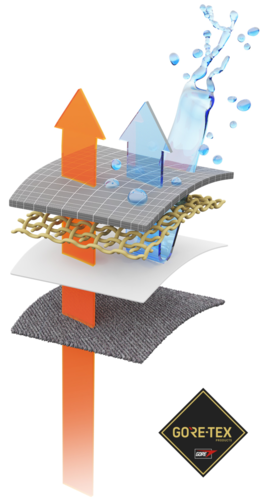
Standard for firefighting boots DIN EN 15090	**Type 1**: Suitable for outdoor use and (forest) fire fighting. **Subcategory F1PA:** Basic shoe for type 1 + antistatic + penetration resistance
Additional requirements	**SRC** Slip resistance: Slip resistant on floors of ceramic tiles with a sodium lauryl sulfate (SLS) solution and on steel floors with glycerol. When it comes to slip resistance as defined by EN ISO 20345, SRC signifies the best possible rating a safety shoe can reach. **CI** COLD INSULATED **HI_3** HEAT INSULATED To max. 250 °C for 40 minutes **HRO** HEAT RESISTANT OUTSOLE Heat resistance against contact heat, also during short-term high temperatures

FORM

Fire-fighting boot 	Form C - in size 42, the upper height must be at least 17.8 cm.

AREAS OF APPLICATION	
Areas of application	Outdoor areas Suitable for areas with particularly high safety requirements, preferably for fire service operations Areas with severe effects of heat emergency services, day service, technical operations Areas where there is a risk of electrostatic discharge (ESDS/ESD)
FEATURES	
ESD equipment	Thanks to its excellent discharge capability, the shoe is suitable for work in ESD sensitive or electrostatically protected areas (EPA). The shoes comply to the standard 61340-5-1.
Sizes (unisex model)	• Expanded size range: available in sizes 35 - 50
Certification in accordance with DGUV rule 112-191	• Certified for orthopaedic inserts
Padded upper edge	• Excellent wearing comfort: the padded upper edge protects the Achilles tendon.
Full, padded bellows tongue	• Excellent wearing comfort: The tongue prevents pressure marks and avoids dirt from entering into the shoe.
Ankle padding	Excellent wearing comfort: the ankle-wrapping padding provides for stability and firm grip and prevents pressure marks.
Reflective material	• Good visibility in the dark
Donning loops	• Quicker into the boot: Loops make it easier to put the boots on.
BOA® Fit System	Delivering fit solutions purpose-built for performance, the BOA® Fit System is featured in products across industries (including sports, workwear and medical) and consists of three integral parts: a micro adjustable dial, a super-strong lightweight lace and low friction lace guides. Each unique configuration is engineered for fast, effortless, precision fit and is backed by the BOA® Guarantee.
Seams made of heat-resistant thread	• Best possible protection against flames, heat and chemicals. Cleaning does not affect the heat resistance.
TPU scuff cap	• Excellent wear protection in the shoe tip • Protects the upper leather in this area against premature wear
Flex zone	• soft flex zones for greater flexibility
Integrated name badge	The boot has a badge that can be individually labelled. This prevents any mix-ups.
UPPER MATERIAL	
Cowhide leather - fire-resistant	• Areas of application S2/S3 • Natural material • Wear-resistant • Breathable • Water penetration/absorption in accordance with EN ISO 20345 S2

LINING

GORE-TEX CROSSTECH® membrane 	The GORE-TEX CROSSTECH® membrane is durably waterproof and provides a highly effective barrier against bloodborne pathogens, viruses and everyday chemicals, which is especially important during emergency operations. Breathable technology helps prevent heat stress during increased physical exertion, as the lightweight and flexible laminates allow excess body heat to escape and maintain a balanced body temperature.
Heel pocket lining	• The abrasion-resistant microfibre material is particularly sturdy and provides for a pleasant wearing comfort.

TOE PROTECTION CAP

Steel toe cap 	• Protection against impacts of min. 200 joules and pressure loading of min. 15 kN • Permanent edge coverage for cushioning • Ergonomically shaped • Comfortable toe room • Good coverage of the little toe area

INLAY SOLE

Full-length inlay sole FIREFIGHTERS Level 2 	• Full inlay sole in three different heights to optimise the fit • Level 1: Noticeably more comfort for sturdy feet • Level 2: Provides comfortable cushioning for moderately sturdy feet • Level 3: Effective shock absorption and increased grip for slim feet • The inlay sole is functionally absorbing and releasing moisture and thus provides for a pleasant foot climate. • Improvement of the shoe climate thanks to the PU foam's open cell structure. So the foot is always kept comfortably dry. • The extreme softness of the PU foam absorbs shocks on impact and increases walking comfort. • The full-length, exchangeable inlay sole provides the highest possible comfort in safety shoes.

PENETRATION RESISTANCE

Metal-free penetration protection	The textile midsole complies with the penetration safety standard EN 12568 and furthermore fulfils the additional requirements for penetration protection in accordance with EN ISO 20344 / 20345. The light and flexible material enables an increased elasticity of the shoe, which can particularly be recognized when working on uneven grounds or on your knees. The textile variant offers 100 % foot coverage compared to steel midsoles (foot coverage 85 % due to limits in the shoe manufacturing process). Being 100 % metal-free and antimagnetic, this equipment is used as penetration protection in safety shoes.

OUTSOLE

double-density sole with profile	• Excellent slip resistance • Antistatic
 	Outsole: Rubber • Colour: black • Profile depth: 6.0 mm • Particularly abrasion-resistant • Heat-resistant to approx. 200°C, for short periods to 300°C • Flexible at cold temperatures to approx. -20°C • Oil and fuel resistant • Resistant to a large number of chemicals (acids and alkalis) • Notch-resistant • Excellent grip on ladders thanks to the straight heel edge
	Midsole: PU (polyurethane) • The soft PU core provides a good impact absorption and high wearing comfort