TECHNICAL DATA SHEET

CRUZ GTX ESD F2A No. 89611 — Sz. 35 - 50

LABELLING ACCORDING TO STANDARD

Standard for firefighting boots DIN EN 15090	**Type 2**: all kinds of firefighting and rescue activities, where penetration protection and toe protection is needed. **Subcategory F2A:** Basic shoe for type 2 + antistatic
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 pull-on boot 	Form D - in size 42, the upper height must be at least 28.0 cm.

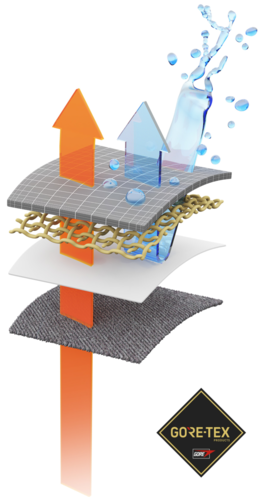
AREAS OF APPLICATION

Areas of application	Outdoor areas Suitable for areas with particularly high safety requirements, preferably for fire service operations Areas with severe effects of heat 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
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
Heel loop	• Quicker into the shoe: The heel loop makes it easier to get inside the shoe
High boot without laces or zippers	• Quick getting in and out
Seams made of heat-resistant Nomex® 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
Winner Plus X Award	The independent jury for the Plus X Award, the Innovation Prize for Technology, Spot, and Lifestyle, grants a total of seven seals of approval to brands that offer products with a competitive edge in terms of quality and innovation. ELTEN has always seen itself as an innovative business at the cutting edge of technology.
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.
Removal aid at the heel	The profiled rubber surface ensures the boot is easier to remove.
TPU shin protector	The shin protector is made from a material that is extremely resistant to abrasion and highly shock-absorbent, which protects the sensitive shinbone against impacts and other hazards. There is an additional special profiled area designed to soften any impact.
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 Performance Comfort Footwear



The GORE-TEX membrane prevents water from entering into the shoe, but still allows your feet to "breathe". This technology provides ideal climate comfort for all outdoor activities, even in the harshest weather conditions. All components of the shoe construction are precisely attuned to one another and are subject to constant quality controls.

The ALL-WEATHER membrane
The all-weather membrane constantly provides an ideal climate comfort inside the shoe in all wind and weather conditions. Keeps your feet cool in summer and warm in winter. Tiny pores keep wind and wetness outside.

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.

INSOLE

Antistatic soft-fleece insole

Antistatic, even if 100 % dry, without using additional means fulfilling a bridge function to the outsole.

- Approximately 50 % lighter than comparable soles made of natural materials
- Flexible and shape-retaining
- Good air permeability
- Excellent wear resistance
- High moisture absorption
- Quick drying (virtually overnight)

PENETRATION RESISTANCE	
Steel midsole	Best possible protection from below: The corrosion-resistant midsole made of stainless steel complies with the penetration safety standard EN 12568 and furthermore fulfils the additional requirements for penetration protection in accordance with EN ISO 20344 / 20345. Particularly recommendable when working in areas where there is an increased risk of injuries due to pointed or sharp objects, such as in the construction industry.
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