TECHNICAL DATA SHEET

MASTER F2A No. 89201 — Sz. 36 - 48







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. **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

FEATURES	
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.
Donning loops	• Quicker into the boot: Loops make it easier to put the boots on.
High boot without laces or zippers	• Quick getting in and out
Heel strap	• Allows the boots to be put on quickly
Seams made of heat-resistant Nomex® thread	• Best possible protection against flames, heat and chemicals. Cleaning does not affect the heat resistance.
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	
Breathable fabric lining	• Climate-regulating • Good ventilation • Skin-friendly • High absorption and emission of moisture
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 	• The full-length, exchangeable inlay sole provides the highest possible comfort in safety shoes. • The inlay sole is functionally absorbing and releasing moisture and thus provides for a pleasant foot climate. • Antistatic

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	
STEINAU mono-density tread 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