

## JALAS® 1948 METATARSAL

EN ISO 20349:2010, S3, SRC, WG, HRO, M,

CL H1-A1-EE  
ASTM F2413-18  
M/I/C  
SD 35 PR Mt



SIZE	ART. NO.	EAN NO.	SIZE	ART. NO.	EAN NO.
36	1948-36	6408487504754	48	1948-48	6408487504877
37	1948-37	6408487504761			
39	1948-39	6408487504785			
38	1948-38	6408487504778			
40	1948-40	6408487504792			
41	1948-41	6408487504808			
42	1948-42	6408487504815			
43	1948-43	6408487504822			
44	1948-44	6408487504839			
45	1948-45	6408487504846			
46	1948-46	6408487504853			
47	1948-47	6408487504860			

The product features remain unchanged only when insoles recommended by the manufacturer are used. All values for the specified product are indicated without tolerances and may vary to actual value for individual products. We reserve the right to modify or update the information in this document without prior notice.

### PROPERTIES

Highest level of protection, excellent grip, good fit, extra comfortable, excellent shock absorption

### SPECIFICATION

TYPE OF SHOE Safety footwear, boots/Ankle boots

NAIL PROTECTION MATERIAL Plasma-treated composite (PTC) textile

FITTING Wide

SIZE RANGE (EU) 36-48

COLLECTION Gran Premio

PLATFORM Enduro

UPPER MATERIAL Full-grain leather

UPPER MATERIAL THICKNESS 1.6-1.8

PRONOSE-MATERIAL PU

TOECAP MATERIAL Aluminium

LINING MATERIAL Polyester, polyamide

SOLE MATERIAL PU midsole, plastic shank, rubber outsole

INSOLE FX2 Supreme

INSOLE MATERIAL Textile, soft EVA, polyester-based conductive thread, Merino wool, double shock absorption zones in Poron® XRD®

FASTENING Hook-and-loop

COLOUR Black, Yellow

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### FEATURES

ProNose toe reinforcement, wide fit, KEVLAR® thread in the seams which resists 427° C short-term heat exposure (max operating limit) and 204° C longer-term heat exposure (constant operating limit), heat-resistant upper, heat-resistant outsole, oil-resistant outsole, anti-static properties, padded boot shaft, adjustable ankle strap, pull loops, water repellent, flame retardant, specially designed details, double shock absorption zones

### PREVENTS RISK OF

Toe injuries, nail penetration, antistatic

### PRIMARY ENVIRONMENTS OF USE

Outdoors, indoors, all-year use, warm surfaces, environments with risk for outsole penetration, oily and greasy environments, dirty environments, harsh environments

### PRIMARY AREAS OF USE

Hot work, metalwork, sheet-metal work, welding

### PRIMARY INDUSTRIES OF USE

Metal fabrication



Aluminium toecap



Ergothan Shock Absorption System



Nail protection in plasma-treated composite (PTC) textile



Heat-resistant upper



Heat-resistant outsole



Anti-static properties



Water repellent



Oil-resistant outsole



ProNose toe reinforcement



Wide fit

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**COMPLIANCE**  
EN ISO 20349:2010

**COMPLIANCE DESCRIPTION**

**SB:** Footwear with toe protection tested with 200 J impact and 15kN compression force (includes oil resistant outsole)

**S1:** Footwear made from leather and other materials excluding all-rubber or all-polymeric footwear + closed seat region + SB + A + E

**S2:** S1 + WRU

**S3:** S2 + P

**WRU:** Water-repellent upper

**P:** Penetration-resistant outsole

**HRO:** Heat-resistant outsole compound tested at 300°C

**Cl:** Cold insulation

**HI1:** Heat insulation of sole complex

**FO:** Oil-resistant outsole

**A:** Electrical resistance (between 0.1-1000 Mega Ohms

**Al:** Test of resistance to effects of molten aluminum (at 780 °C)

**E:** Energy absorption in the heel area (tested at 20 Joules)

**Fe:** Test of resistance to effects of molten iron (at 1400 °C)

**M:** Metatarsal protection

**SRA:** Slip-resistance on ceramic tile floor with Sodium lauryl sulphate solution

**SRB:** Slip-resistance on steel floor with glycerol

**SRC:** SRA + SRB

**WG:** Molten metal splashes

**DGUV 112-191:** Footwear is tested with adjusted orthopedic insoles in accordance with EN ISO 20345 standard

**Ö-Norm Z 1259:** Footwear is tested with adjusted orthopedic insoles in accordance with EN ISO 20345 standard

CE



Aluminium toecap



Ergothan Shock Absorption System



Nail protection in plasma-treated composite (PTC) textile



Heat-resistant upper



Heat-resistant outsole



Anti-static properties



Water repellent



Oil-resistant outsole



ProNose toe reinforcement



Wide fit

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2021-10-05

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**ejendals**  
PROTECTING HANDS AND FEET

**EJENDALS AB**

Box 7, SE-793 21 Leksand, Sweden

Phone +46 (0) 247 360 00

Fax +46 (0) 247 360 10

info@ejendals.com

order@ejendals.com

www.ejendals.com