2023

Company Logo

Another company logo

PRODUCTS FOR THE WINTER

EXAMPLE

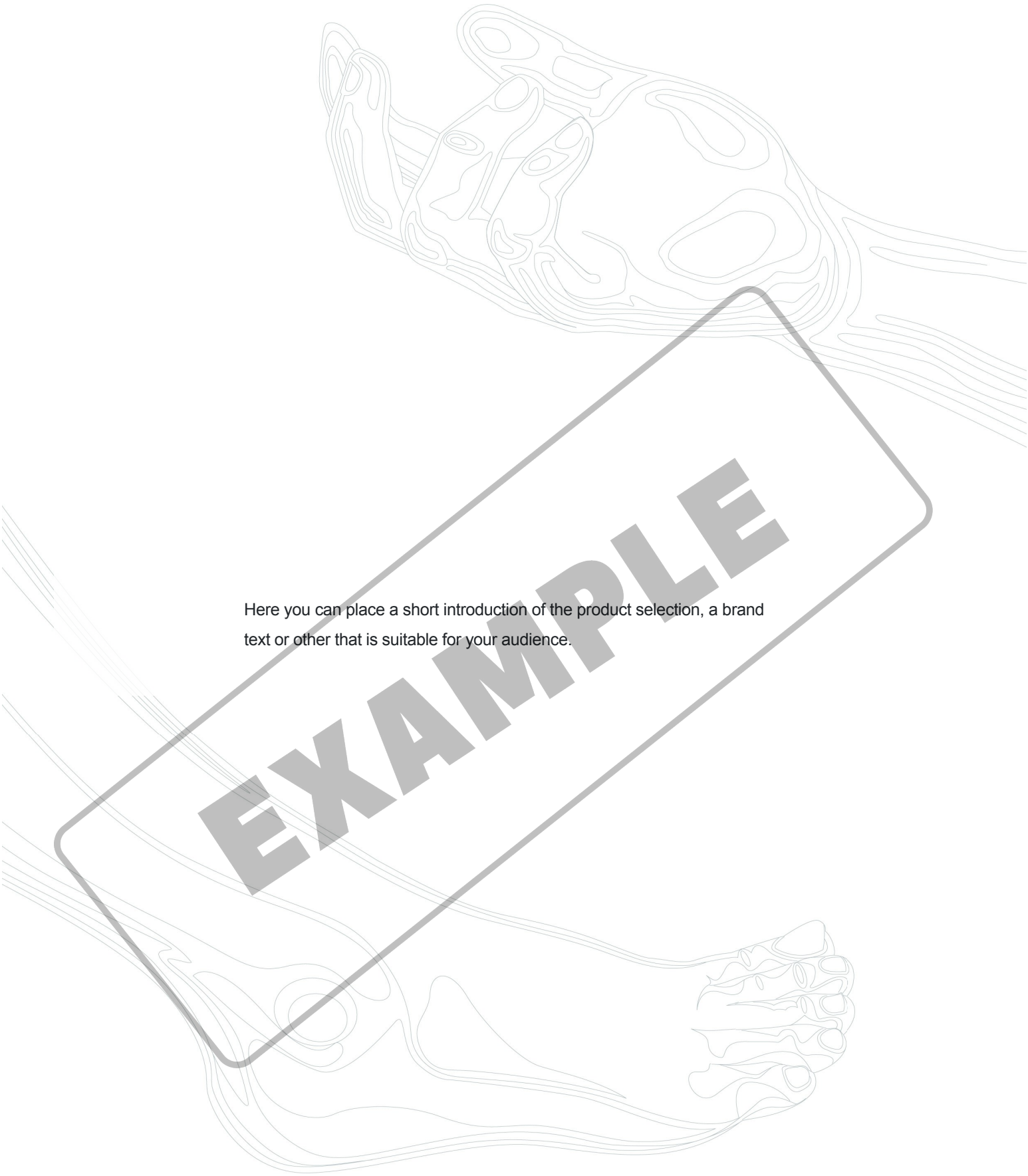
PROTECTING HANDS AND FEET

ejendals

Ejendals is a Swedish company that for generations has specialised in developing, manufacturing and marketing high-quality products that protect hands and feet. In close collaboration with researchers and our customers, we design products that deliver the highest standard of protection, durability and ergonomics.

We sell a complete safety concept, which aims to reduce accidents through quality products, education and safety inspections. From our corporate head office in Leksand, we envision a safer day with zero injuries to hands and feet.

EXAMPLE



Here you can place a short introduction of the product selection, a brand text or other that is suitable for your audience.

EXAMPLE

PERFECT FOR WINDY DAYS

XX EURO

TEGERA® PRO 9128

Ergonomic, waterproof glove featuring Microthan+® touchscreen capabilities. Thinsulate™ technology and inner fleece helps trap body heat. Durable Microthan®+ synthetic leather. Good grip on slippery surfaces thanks to diamond grip pattern. High visibility yellow on back offers extra safety in low light conditions. 360° elasticated cuff for better fit EN 388:2016, 1121X EN 511:2006, 111

TYPE All-round work gloves, Cold insulation gloves
CATEGORY Cat. II
SIZES 6, 7, 8, 9, 10, 11, 12
GRIP DESIGN Diamond grip pattern
PALM MATERIAL Microthan®+
BACK MATERIAL Polyester
LINING Winter-lined
LINING MATERIAL Thinsulate™ 40g, Fleece
PAIRS PER: BUNDLE/CARTON 6/60

AQUATHAN® Thinsulate™ INSULATION MicroThan®+

CE Cat. II | Short model (EN 420) | EN 388:2016 1121X | EN 420:2003 +A1:2009 | EN 511:2006 111

XX EURO

TEGERA® 293

Leather glove, winter-lined, 0,7-0,8 mm full grain goatskin, polyester, Thinsulate™ 40g, Cat. II, high visibility colour, wind and waterproof back, waterproof, for allround work

TYPE All-round work gloves, Cold insulation gloves
CATEGORY Cat. II
SIZES 8, 9, 10, 11, 12
PALM MATERIAL Full grain goatskin
BACK MATERIAL Polyester
LINING Winter-lined
LINING MATERIAL Thinsulate™ 40g
PAIRS PER: BUNDLE/CARTON 6/60

AQUATHAN® Thinsulate™ INSULATION

CE Cat. II | EN 388:2016 2121X | EN 420:2003 +A1:2009 | EN 511:2006 121

XX EURO

TEGERA® 517

Waterproof synthetic leather glove

A comfortable short wind and waterproof glove. Thanks to the hook and loop fastener, the gloves will stay on your hands even during active work. The thin lining will keep your hands warm in slightly cold environments. The glove has a good fit that makes it comfortable and user-friendly during all-round work, especially for tasks where good fingertip sensitivity is required.

TYPE All-round work gloves, Cold insulation gloves
CATEGORY Cat. II
SIZES 6, 7, 8, 9, 10, 11, 12
PALM MATERIAL Synthetic leather
BACK MATERIAL Polyester
LINING Winter-lined
LINING MATERIAL Fleece
PAIRS PER: BUNDLE/CARTON 6/60

CE Cat. II | Short model (EN 420) | EN 388:2016 1121X | EN 420:2003 +A1:2009 | EN 511:2006 111

EXAMPLE

XX EURO

jalas® DRYLOCK 3328

A waterproof safety boot with Drylock membrane and highest (S3) protection level built for wet conditions. The grain leather upper and higher cut provides excellent fit and supports feet for day-long use. An oil and heat-resistant nitrile outer sole gives extreme grip in the slip, and JALAS® aluminium toe cap protection, steel puncture protection and double impact protection zones in Poron® XRD® for total foot safety at work.

NAIL PROTECTION MATERIAL Steel
FITTING Regular
FASTENING Laces
SIZE RANGE 36-47
UPPER MATERIAL Full-grain leather
MIDSOLE MATERIAL PU midsole
OUTSOLE MATERIAL Nitrile rubber outsole
LINING MATERIAL Polyester, polyamide, Drylock membrane

EN ISO 20345:2011
S3, HRO, WR, SRB

XX EURO

jalas® HEAVY DUTY 1368

Safety boot, nail protection material plasma-treated composite (PTC) textile, toecap material composite, PU midsole, plastic shank, hNBR rubber + Gripper lugs, upper material microfiber;PU-coated leather

NAIL PROTECTION MATERIAL Plasma-treated composite (PTC) textile
FITTING Regular
FASTENING Laces
SIZE RANGE 35-48
UPPER MATERIAL PU-coated leather, Microfiber
MIDSOLE MATERIAL PU midsole
OUTSOLE MATERIAL HNBR rubber + Gripper lugs
LINING MATERIAL Polyester fur

EN ISO 20345:2011
S3, HI, CI, AN, HRO, SRC

EXAMPLE

EXPLANATION OF SYMBOLS, PROTECTIVE FOOTWEAR

Aluminium toecap

Steel toecap

Composite toecap

Nail protection in steel

Nail protection in plasma-treated composite (PTC) textile

Winter model

Waterproof

Water repellent

Oil-resistant outsole

Heat-resistant outsole

Wide fit

Ergothan Shock Absorption System

Shock absorbing

ProNose toe reinforcement

Heat-resistant upper

Zipper

Stabilizator

Anti-static properties

ESD

EXAMPLE

REGULATIONS AND STANDARDS

SAFETY FOOTWEAR
TABLE ACCORDING TO STANDARD EN ISO 20345:2011

CLASS		Toecap (200 J / 15000 N)	Closed seat region (fully enclosed heel)	**A** Electrical resistance (0.1-1000 MΩ)	**E** Energy absorption in the heel area (20 Joules)	**WRU** Water-repellent upper	Cleated outsole	**P** Penetration-resistant outsole
I, II	**SB**	●						
I	**S1**	●	●	●	●			
I	**S2**	●	●	●	●	●		
I	**S3**	●	●	●	●	●	●	●
II	**S4**	●	●	●	●	●		
II	**S5**	●	●	●	●	●	●	●

OCCUPATIONAL FOOTWEAR
TABLE ACCORDING TO STANDARD EN ISO 20347:2012

CLASS		Closed seat region (fully enclosed heel)	**A** Electrical resistance (0.1-1000 MΩ)	**E** Energy absorption in the heel area (20 Joules)	**WRU** Water-repellent upper	Cleated outsole	**P** Penetration-resistant outsole
I, II	**OB**						
I	**01**	●	●	●			
I	**02**	●	●	●	●		
I	**03**	●	●	●	●	●	●
II	**04**	●	●	●	●		
II	**05**	●	●	●	●	●	

S Shoes marked S have toecaps which will withstand 200 J of impact energy and 15 kN of pressure.

O Shoes marked with an O are not equipped with a protective steel toecap but meet the basic requirements for work shoes.

Class I Footwear made from leather and other materials, excluding all-rubber or all-polymeric footwear.

Class II All-rubber (i.e., entirely vulcanised) or all-polymeric (i.e. entirely moulded) footwear.

P Penetration-resistant outsole.

HRO Heat-resistant outsole compound tested at 300°C.

WR Water-resistant footwear.

WRU Water-repellent upper.

CI Cold insulation.

HI Heat insulation.

HI3 Heat insulation performance level 3.

Type 2 All fire suppression and rescue interventions where protection against penetration, and toe protection are needed, no protection against chemical hazards.

ESD Electrostatic Discharge.

ESD IEC 61340-5-1 Electrostatic Discharge resistance below 35 MΩ.

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

SRB Slip-resistance on steel floor with glycerol.

SRC SRA + SRB.

FO Oil-resistant outsole.

A Electrical resistance (0.1-1000 MΩ).

E Energy absorption in the heel area (20 Joules).

EXPLANATION OF SYMBOLS, PROTECTIVE GLOVES

EN 388:2016 + A1:2018
Protective gloves against mechanical risks.

EN ISO 374-1:2016 + A1:2018
Protective gloves against chemicals and microorganisms – Part 1: Terminology and performance requirements for chemical risks.

EN ISO 374-5:2016
Protective gloves against chemicals and microorganisms – Part 5: Terminology and performance requirements for microorganism risks.

EN 407:2004
Protective gloves against thermal risks (heat and/or fire)

EN 407:2020
Protective gloves against thermal risks (heat and/or fire)

EN 407:2020
Protective gloves against thermal risks (heat and/or fire). Without limited flame spread.

UPDATES FOR EN 407

EN 511:2006
Protective gloves against cold.

EN ISO 11393-4:2019
Hand-held chainsaw protective gloves.

EN 16350:2014
Protective gloves – Electrostatic properties.

Suitable for contact with foodstuffs.

Suitable for contact with foodstuffs, except for fatty foods.

Information/UIS

Waterproof membrane

Water repellent

Windproof

Breathable

Cut protection

Warm lining

ESD

Latex

For touschscreen

EN 388:2016 + A1:2018

EN 388:2016 + A1:2018
Protective gloves against mechanical risks

- Impact protection (marking if passed requirements)
- ISO cut test/cut resistance (A–F or X)
- Puncture resistance (0–4)
- Tear resistance (0–4)
- Coup test/cut resistance (0–5 or X)
- Abrasion resistance (0–4)

Level of protection	1	2	3	4	5
a) Resistance to abrasion (No. of revolutions)	100	500	2 000	8 000	
b) Resistance to cutting (Index)	1.2	2.5	5.0	10.0	20.0
c) Tear resistance (N)	10	25	50	75	
d) Puncturing resistance (N)	20	60	100	150	

Level of protection	A	B	C	D	E	F
e) Cut resistance (N)	2	5	10	15	22	30

Level of protection	P
f) Impact protection, EN 13594:2015	Pass (Level 1 ≤ 9 kN)

EN ISO 374-1:2016

Type A, B, C

ABCDEFGHI
JKLMNOPST

EN ISO 374-1:2016
Protective gloves against chemicals and microorganisms – Part 1: Terminology and performance requirements for chemical risks.

Type A: Breakthrough time > 30 min for at least 6 chemicals in the new list
Type B: Breakthrough time > 30 min for at least 3 chemicals in the new list
Type C: Breakthrough time > 10 min for at least 1 chemical in the new list

Permeation level	1	2	3	4	5	6
Breakthrough time (min)	10	30	60	120	240	480

List of test chemicals

A	Methanol	J	n-Heptane
B	Acetone	K	Sodium hydroxide 40%
C	Acetonitrile	L	Sulphuric acid 96%
D	Dichloromethane	M	Nitric acid 65%
E	Carbon disulphide	N	Acetic acid 99%
F	Toluene	O	Ammonium hydroxide 25%
G	Diethylamine	P	Hydrogen peroxide 30%
H	Tetrahydrofuran	S	Hydrofluoric acid 40%
I	Ethyl acetate	T	Formaldehyde 37%

EXAMPLE

GLOVE SIZES: COLOUR CODING

4 3X-SMALL	5 XX-SMALL	6 X-SMALL	7 SMALL	8 MEDIUM	9 LARGE
10 X-LARGE	11 XX-LARGE	12 3X-LARGE	13 4X-LARGE	14 5X-LARGE	15 6X-LARGE

EXAMPLE

FOOTWEAR SIZE GUIDE

JALAS STANDARD SIZING	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Millimeter	228	235	242	249	256	262	269	276	282	289	296	302	309	316	323	329	336
UK	1 ½	2	3	4	5	6	6½	7	8	9	10	10½	11	12	13	14	15
US Male	2 ½	3 ½	4	5	5½	6½	7½	8	9	9½	10½	11	12	13	13 ½	14 ½	15 ½
US Female	3 ½	4	5	6	6½	7½	8½	9	10	11	11½	12	13	14	14 ½	-	-

EXAMPLE

JALAS ® FootStop Service

All Footwear manufactured with brand name JALAS ® and certified according to EN ISO 20345 or EN ISO 20347 meets the requirements when fitted with FootStop Service Insoles.

Repetitive strain injury (RSI) and musculoskeletal disorders are probably the foremost work environment problem in the western world. JALAS ® has adopted a comprehensive approach to shoes and insoles.

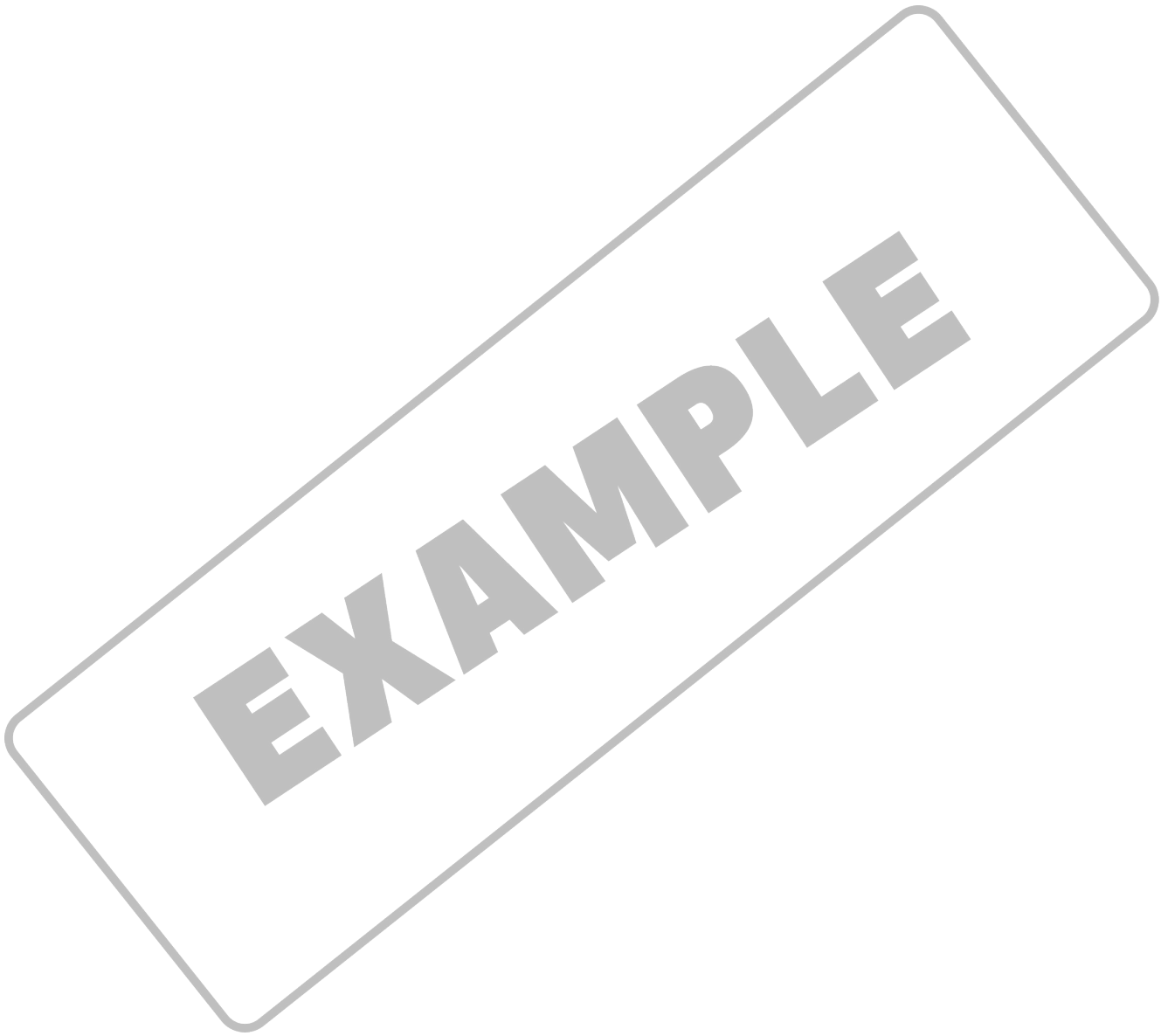
FootStop Service works as a form of preventative health-care. It cannot, however, replace medical treatment of injuries already sustained. JALAS ® anatomical insoles solve many problems – but not all. For people who have severe problems with their feet, orthopedically tested insoles are a must

- FootStop Service makes it possible to analyse feet quickly and easily.
- You can have your feet scanned with your socks on.
- It takes just a few minutes for the scanner to register the arch of the foot and the feet's measurements and points of pressure.
- The results are available directly. The display shows how and where the feet are under pressure and whether the arch is low, high or in between.
- Your local representative can help you arrive at the right shoes and soles.

In many cases, individually designed orthopaedic soles can be avoided by using JALAS ® FSS insoles – available for low, medium and high foot arches.

EXAMPLE

Please reach out with
questions to
Optimera 08-123 456 78



Ejendals AB
Limavägen 28
SE-793 32 Leksand, Sweden
Phone +46 (0) 247 360 00
info@ejendals.com
order@ejendals.com
www.ejendals.com