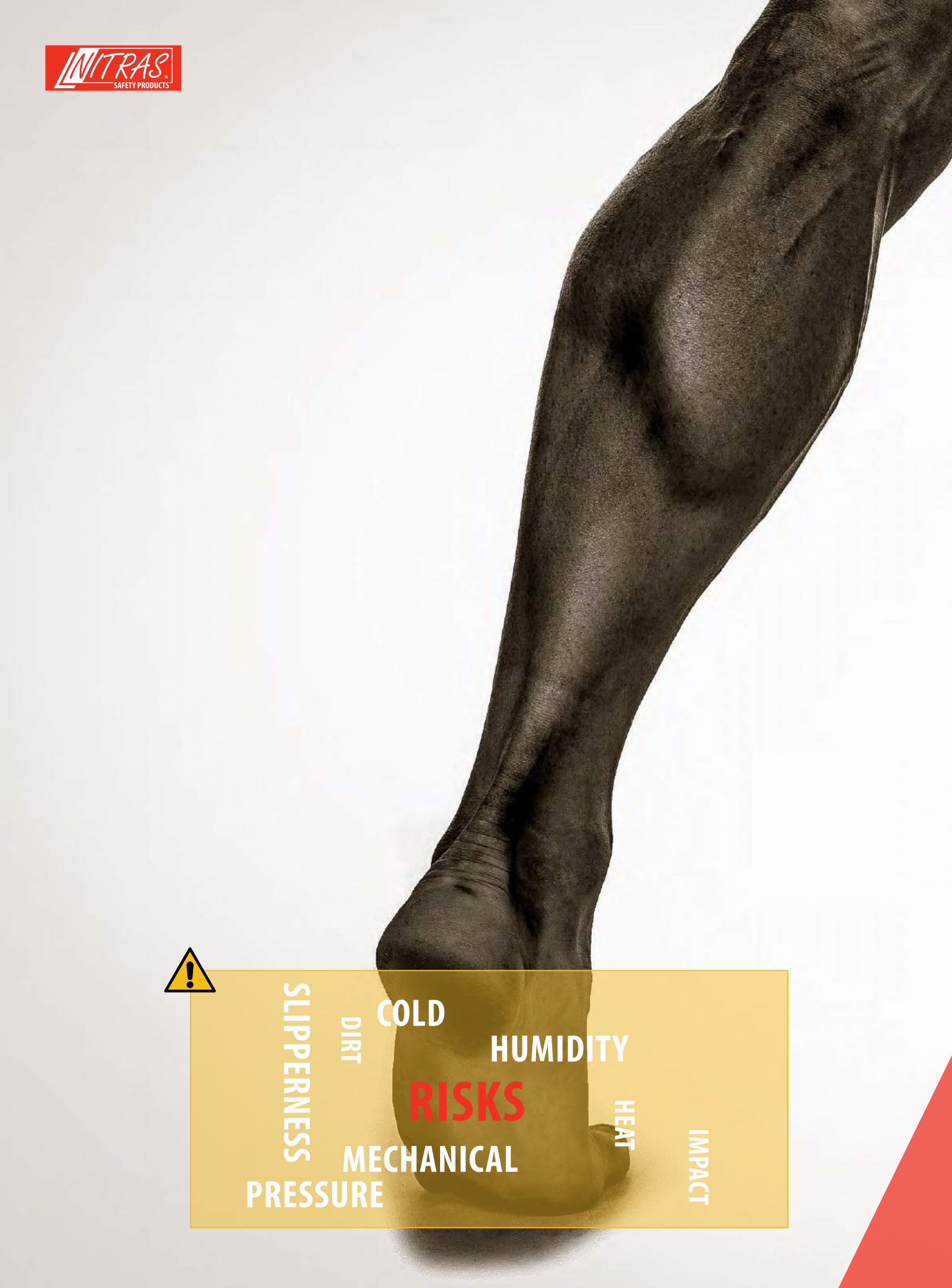
FOOT PROTECTION

CERTAINLY A STRONG PERFORMANCE.


SLIPPERNESS
DIRT
COLD
HUMIDITY
RISKS
HEAT
MECHANICAL
IMPACT
PRESSURE

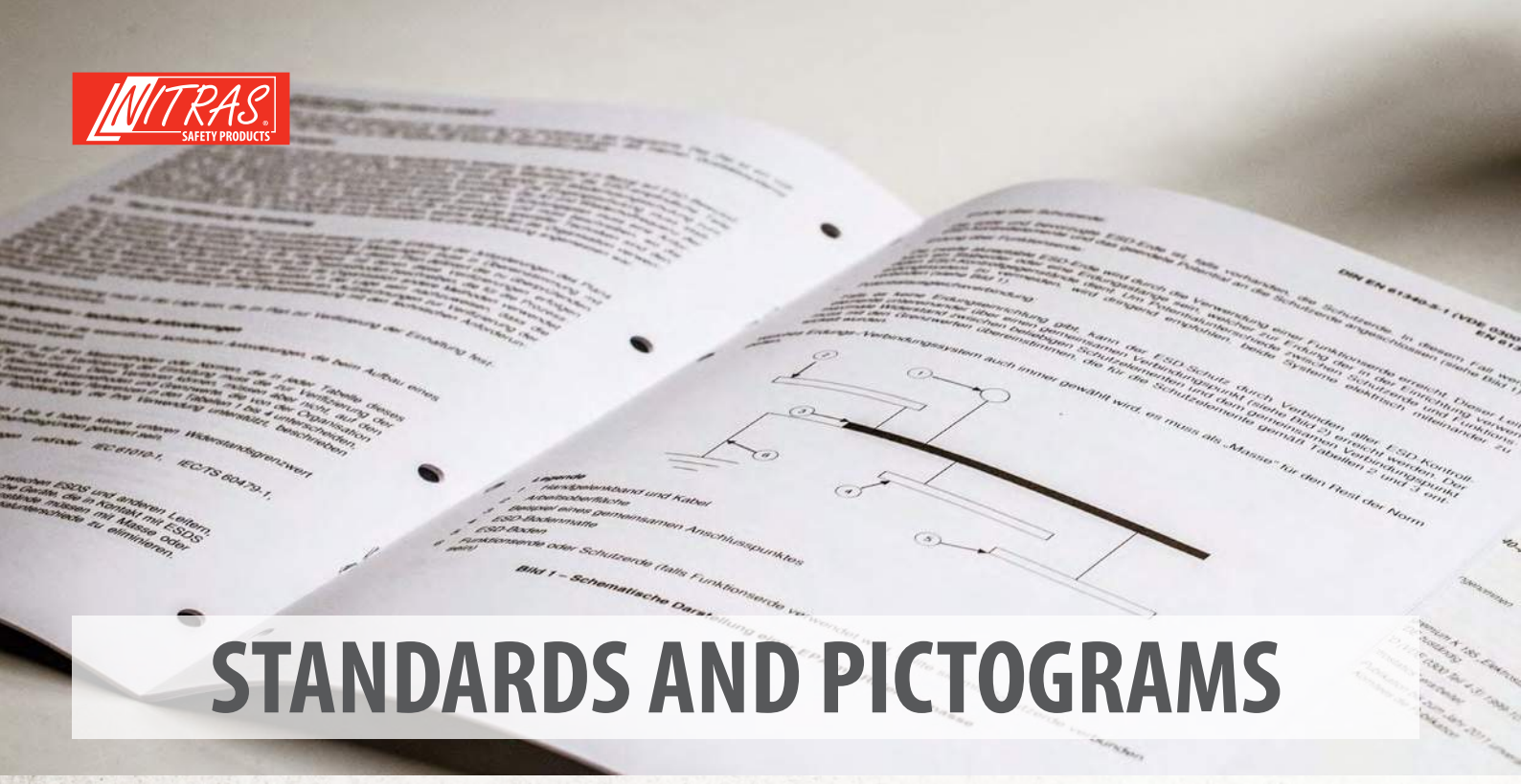
THE FEET
ACCOMPLISH HIGHEST PERFORMANCES

NITRAS - FOOT PROTECTION

Our feet accomplish highest performances every day: the entire weight of the body rests on this small area and yet they bring us reliably from one place to another. They serve us as support and keep our balance - no matter if running, walking or jumping. Without our feet the upright walk and this flexibility would not be possible.

So make sure that this highly sensitive part of your body remains fully functional and equip your feet with the appropriate protection. Our extensive range of safety shoes not only offers you the right protection. Our safety shoes can also be fitted with orthopaedic and semi-orthopaedic insocks to provide extra comfort for your feet and body. Safety shoes from NITRAS - certainly a strong performance!

YOUR DIRECT LINK TO ONLINE OFFER



STANDARDS AND PICTOGRAMS

All performance levels, pictograms and information specified in this catalogue comply with the state as of September 2022. These are subject to change during the validity of this catalogue. Please contact us for any queries or current information. All information is subject to change.

EN ISO 20345 — **Personal protective equipment - Safety footwear**

Basic and additional (optional) requirements for safety footwear used for general purpose. It includes for example mechanical risks, slip resistance, thermal risks, ergonomic behaviour.

Category	Description
SB	Basic requirements
S1	Basic requirements, closed seat region, antistatic properties, energy absorption of seat region, resistance to fuel oil
S2	Basic requirements, closed seat region, antistatic properties, energy absorption of seat region, resistance to fuel oil, protection against water penetration and absorption
S3	Basic requirements, closed seat region, antistatic properties, energy absorption of seat region, resistance to fuel oil, protection against water penetration and absorption, penetration resistance, cleated outsole

Further symbols

SRA	Slip resistance (ceramic tile floor with NaLS)	E	Energy absorption of seat region
SRB	Slip resistance (steel floor with glycerine)	WR	Water resistance
SRC	Slip resistance (SRA and SRB passed)	M	Metatarsal protection
P	Penetration resistance	AN	Ankle protection
C	Conductive footwear	CR	Cut resistance
A	Antistatic footwear	WRU	Water penetration and absorption*
HI	Heat insulation of sole complex	HRO	Resistance to hot contact
CI	Cold insulation of sole complex	FO	Resistance to fuel oil

* Upper: protection against water penetration and absorption

Shoe weight

0000 g — Specifies the weight of a shoe in size 42 in grams (g).

EN 61340-4-3 — **Electrostatics, Part 4-3 - Footwear**

This part of IEC 61340 describes a test method for determining the electrical resistance of footwear, with which the electrostatic potential on individuals is controlled. This standard is suitable for use by manufacturers of footwear as well as by end users.

DGUV Rule112-191

Marks safety shoes which are certified to DGUV rule 112-191. These can be equipped with orthopaedic insoles which will be individually created for your feet. With a prescription from your orthopaedist, you can go to an orthopaedic shoemaker of your choice. In cooperation with our partner, the orthopaedic manufacturer Hartmann, your orthopaedic shoemaker will then be provided with the necessary material.
Partner: Matthias Hartmann Orthopädie + Sport GmbH, Schelde-Lahn-Straße 20, 35713 Eschenburg, Germany, www.hartmann-os.com

Premium quality

The quality of our products is our first priority and our whole product range is meeting our high standards. Products which have further premium features (e.g. due material selection, fitting, characteristics, finishing) are marked with this pictrogram.

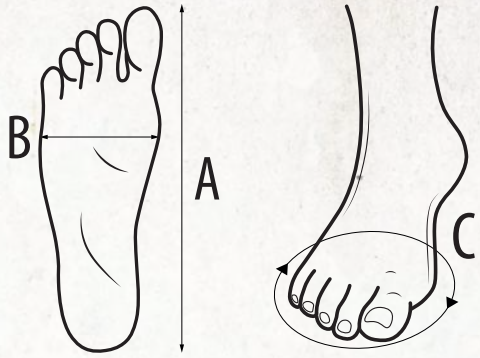
SIZE CHARTS

Following, we provide you with extensive and detailed information which is relevant for determining the correct sizes:
1. International sizes
2. Measuring points
3. Safety shoes (size charts)

1. International sizes

EU	UK	US	JP	Foot length (mm)
35	3	3 1/2	21 1/2	217
36	3 1/2	4	22 1/2	225
37	4	5	23	232
38	5	6	24	240
39	6	6 1/2	24 1/2	247
40	6 1/2	7 1/2	25 1/2	255
41	7 1/2	8	26	262
42	8	9	27	270
43	9	9 1/2	27 1/2	277
44	9 1/2	10	28 1/2	285
45	10 1/2	11	29	292
46	11	12	30	300
47	12	13	30 1/2	307
48	13	13 1/2	31 1/2	315
49	14	14 1/2	32	322
50	14 1/2	15	33	330

2. Measuring points



Please take note that you should always have enough space in the toe area while wearing shoes. We recommend that you keep at least the width of your thumb (approx. 15 mm) between your toes and the upper of the shoe (inner distance).

Example:
Your foot length: 260 mm
Your shoes size: 260 mm + 15 mm

3. Safety shoes (size charts)

Article — **BASIC STEP**

7205 // BASIC STEP
7206 // BASIC STEP MID
7207 // BASIC STEP SA
7208 // BASIC STEP MID+ W

Size	A Foot length (mm)	B Foot width (mm)	C Foot circumference (mm)
36	239	83	240
37	245.6	84.5	244.5
38	252.3	86	249
39	259	87.5	253.5
40	265.7	89	258
41	272.3	90.5	262.5
42	279	92	267
43	285.6	93.5	271.5
44	292.3	95	276
45	299	96.5	280.5
46	305.7	98	285
47	312.4	99.5	289.5
48	319	101	294

Article — **STEP**

7200 // STEP
7201 // STEP MID
7201W // STEP MID+ W

Size	A Foot length (mm)	B Foot width (mm)	C Foot circumference (mm)
35	233.3	80	232.5
36	240	82	237
37	246.7	84	241.5
38	253.3	86	246
39	260	88	250.5
40	266.7	90	255
41	273.3	92	259.5
42	280	94	264
43	286.7	96	268.5
44	293.3	98	273
45	300	100	277.5
46	306.7	102	282
47	313.3	104	286.5
48	320	106	291
49	326.7	108	295.5
50	333.4	110	300

Article STEP / SPORT STEP

7200 MF // STEP MF
7201 MF // STEP MID MF
7201W MF // STEP MID+ MF W
7300 // SPORT STEP
7301 // SPORT STEP MID
7301W // SPORT STEP MID W
7302 // SPORT STEP SA
7305 // SPORT STEP WH

Size	A Foot length (mm)	B Foot width (mm)	C Foot circumference (mm)
35	234.31	80	240.5
36	240.98	82	245
37	247.65	84	249.5
38	254.32	86	254
39	260.99	88	258.5
40	267.66	90	263
41	274.33	92	267.5
42	281	94	272
43	287.67	96	276.5
44	294.34	98	281
45	301.01	100	285.5
46	307.68	102	290
47	314.35	104	294.5
48	321.02	106	299
49	327.69	108	303.5
50	334.36	110	308

Article PRO STEP

7410 // PRO STEP
7411 // PRO STEP MID
7413 // PRO STEP
7414 // PRO STEP FIT

Size	A Foot length (mm)	B Foot width (mm)	C Foot circumference (mm)
36	239	86.2	235.5
37	245.7	87.7	239.5
38	252.3	89.2	243.5
39	259	90.6	247.5
40	265.7	92.1	251.5
41	272.3	93.5	255.5
42	279	95	259.5
43	285.7	96.5	263.5
44	292.3	97.9	267.5
45	299	99.4	271.5
46	305.7	100.8	275.5
47	312.4	102.3	279.5
48	319	103.8	283.5

Article EASY STEP / MICRO STEP

7310 // EASY SEP
7312 // EASY STEP SA
7313 // EASY STEP P
7420 // MICRO STEP
7421 // MICRO STEP MID
7422 // MICRO STEP SA

Size	A Foot length (mm)	B Foot width (mm)	C Foot circumference (mm)
35	226.3	80	233.5
36	233	82	238
37	239.7	84	242.5
38	246.4	86	247
39	253	88	251.5
40	259.7	90	256
41	266.3	92	260.5
42	273	94	265
43	279.7	96	269.5
44	286.3	98	274
45	293	100	278.5
46	299.7	102	283
47	306.3	104	287.5
48	312.9	106	292
49	319.5	108	296.5
50	326.1	110	301

Article	POWER STEP		
7210 // POWER STEP 7211 // POWER STEP MID 7213 // POWER STEP MID+ 7213W // POWER STEP MID+ W	**Size**	**A Foot length (mm)**	**B Foot width (mm)**	**C Foot circumference (mm)**
	36	244	86	250
	37	251	87	253
	38	258	89	257
	39	264	91	261
	40	270	92	263
	41	277	94	266
	42	284	96	269
	43	290	97	272
	44	296	99	276
	45	303	101	280
	46	310	102	285
	47	317	103	287
	48	323	105	292
	49	330	107	296
	50	337	108	299

Article	CLEAN STEP		
7250 // CLEAN STEP SL 7251 // CLEAN STEP MID SL 7252 // CLEAN STEP CL 7255 // CLEAN STEP 7256 // CLEAN STEP MID	**Size**	**A Foot length (mm)**	**B Foot width (mm)**	**C Foot circumference (mm)**
	35	232	78	233
	36	239	80	235
	37	246	80	243
	38	253	81	250
	39	258	83	254
	40	265	85	258
	41	272	87	260
	42	278	88	265
	43	285	90	270
	44	292	93	273
	45	299	95	275
	46	305	97	284
	47	312	99	290
	48	319	101	293

Article	UNIQUE STEP		
7415 // UNIQUE STEP	**Size**	**A Foot length (mm)**	**B Foot width (mm)**	**C Foot circumference (mm)**
	36	240.04	84.46	237
	37	246.7	86.05	241.5
	38	253.36	87.64	246
	39	260.02	89.23	250.5
	40	266.68	90.82	255
	41	273.34	92.41	259.5
	42	280	94	264
	43	286.66	95.59	268.5
	44	293.32	97.18	273
	45	299.98	98.77	277.5
	46	306.64	100.36	282
	47	313.3	101.95	286.5

APPLICATION GUIDE

The application examples given on this page merely act as a rough overview in order to outline which safety shoes are suitable for which application. All safety shoes are partly suitable for other applications as well. Further subjective user preferences (e.g. material, breathability, outsole) are not considered. This guide can not and should not replace personal advice. Furthermore the selection of the right safety shoes has always to be performed with regard to the risks at the workplace. For further information please do not hesitate to contact us.

ADVANTAGES / PROPERTIES / APPLICATIONS

SB
Advantages / properties (e.g.): toe cap, light-weight, flexible, possibly very breathable as the seat region can be open, for dry working environments
Applications (e.g.): workplaces with a small number of different risks, danger from impacts or from falling objects (e.g. hospitals, care facilities, food industry, canteens)

S1
Advantages / properties (e.g.): toe cap, closed seat region, light-weight, breathable, for dry working environments
Applications (e.g.): as SB, additionally with closed seat region (e.g. commercial driver, logistics, commissioning)

S2
Advantages / properties (e.g.): toe cap, closed seat region, upper protects against water penetration and absorption
Applications (e.g.): as S1, protection against water penetration and absorption (e.g. laboratory, industrial kitchens)

S3
Advantages / properties (e.g.): toe cap, closed seat region, upper protects against water penetration and absorption, cleated outsole, protection against penetration of sharp and edged objects
Applications (e.g.): as S2, risk of penetration by sharp / edged objects (e.g. construction, waste management sector, landscape gardening)

CI
Advantages / properties: voluntary additional requirement for cold insulation of sole complex
Applications (e.g.): workplaces with cold surroundings / surfaces (e.g. cold stores, winter service)

HI
Advantages / properties: voluntary additional requirement for heat insulation of sole complex
Applications (e.g.): workplaces with warm surroundings / surfaces (e.g. road construction, metal working)

HRO
Advantages / properties: voluntary additional requirement for resistance of outsole to hot contact (300° C)
Applications (e.g.): workplaces with hot surfaces (e.g. tar work, road construction)

ADVANTAGES / PROPERTIES / APPLICATIONS

P
Advantages / properties: protection against penetration of sharp and edged objects (e.g. S1P)
Applications (e.g.): workplaces with risk of penetration by sharp / edged objects (e.g. nails, metal pieces)

Advantages / properties: sensitive products are protected from damage and electrostatic charges are discharged in a controlled manner
Applications (e.g.): workplaces with sensitive products (e.g. electronics, engineering)

SRA
SRB
SRC
Advantages / properties (e.g.): slip resistance of the outsole, which is determined and classified on the basis of two test situations (SRA: ceramic tiles with NaLS, SRB: steel floor with glycerine, SRC: SRA and SRB passed)
Applications (e.g.): workplaces with risks from damp or greasy surfaces and floor coverings (e.g. scaffolding, construction, workshops, industrial kitchens, canteens)

MF
Advantages / properties (e.g.): toe caps and perforation resistant midsoles of metal-free safety shoes are usually lighter and more flexible than safety shoes that contain metal and they are hardly / not thermally conductive. Metal-free perforation resistant midsoles also cover a larger area of the foot (insole), but are more influenced by the shape of sharp objects (e.g. diameter, geometry, sharpness). Perforation resistant metal midsoles are less influenced by the parameters mentioned above and therefore offer a particularly high level of protection. It should be noted here that, due to the design, only a smaller area of the foot can be protected.
Applications (e.g.): workplaces with danger from edged / sharp objects lying around (e.g. nails, metal parts) as well as danger from impacts or falling objects, at workplaces with the highest demands on the protective functions, we recommend the use of S3 safety shoes with steel midsole and steel toe cap (e.g. construction, outdoor work)