

### Safety shoes with BAAK® go&relax system

This unique system offers the possibility for feet to move in a natural and functional way even in safety shoes. Thus, walking is very convenient and the feet, muscles and joints stay fit and powerful. This relieves the whole musculoskeletal system. Safety shoes with the Baak® go&relax system are a recommendable addition to company health management.

For more info, see pages 6/7 and 68/69

### Our grades shown next to the products will give you an orientation!





Safety shoes
with the Baak® go&relax system
and a special width concept



- They allow the feet to move in a natural and functional way.
- In addition, they have a special width concept.
- The feet, muscles and joints stay fit. That relieves pressure on the entire musculoskeletal system.





Safety shoes with the Baak® go&relax system



Normal safety shoes

- These shoes have our usual good fit.
- They allow the feet to move in a natural and functional way.
- The feet, muscles and joints stay fit. That relieves pressure on the entire musculoskeletal system.

These shoes have our usual good fit.

9	BAAK Unitygo @relax
	For health-conscious people

BAAK Sports lightgo@relax For all those who like light, metal-free shoes

BAAK Industrial go & relax For normal-width and extra-wide feet

**BAAK Sports exclusive** For all those who like a chic and sportive style

**BAAK Sports** For all those who walk a lot and often work on their knees

**BAAK Industrial** For price-conscious buyers

**BAAK Bau** For hard work on construction sites

49 **BAAK Polar** For warm feet when it is cold

**BAAK Woman premium** For active women

59 **BAAK DogWalker** For dog lovers

**BAAK Accessories** For our shoes

**BAAK Know-How** For you - healthy and safe

**BAAK Product Range** For your overview

#### All details online!



Scan the QR code next to the product in order to get the data sheet





## Work must be fun – for the feet too!

Would you like to have really comfortable safety shoes that will also help you relieve pressure on your musculoskeletal system?

The Baak® go&relax system offers exactly what you are looking for.

This unique safety shoe system is optimally suited to the foot and was developed in cooperation with Prof. Dr. Gert-Peter Brüggemann, one of the world's leading biomechanists.

It consists of a special top protection cap and a flex zone in the outsole, both of which are optimally suited to the foot. Only this combination allows you to bend your feet naturally in the area of the basic toe joints. So the load is distributed optimally over all muscles and joints involved.

Thus, walking is very comfortable and pressure is relieved on your musculoskeletal system.

Experience the difference with every step you take!

This way, work will be fun for your feet too!

**Dipl.-Ing. Ingo Grusa**Managing Director

ngo Gusa

# What do a gear box and your feet have in common?

When you drive your car, you start in the 1st gear. Why should it be different when you walk in safety shoes?

Like you keep upshifting from the 1st to the highest gear when you drive your car, the foot rolls over from the little to the big toe naturally when you walk barefoot.

But what happens with common safety shoes?

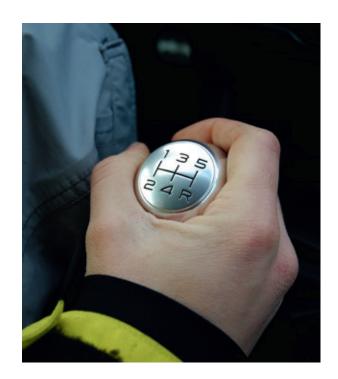
Due to their straight toe protection caps and their outsoles which are too stiff, only the big toe and the two toes next to it are involved in the rolling movement as a result of the unnatural bending line of the shoes. The two small outer toes are hardly involved. This means that load is distributed unequally over the feet, muscles and joints with every step. The entire musculoskeletal system may suffer from this.

In the same way, you would expose your car to loads improperly if you started in the high gears and disregarded the lower gears. But your car simply wouldn't allow this! You can't start in the high gears at all, can you? Your car is smart: As it also involves the low gears, the expenditure of energy is reduced considerably, the efficiency is increased and punctual overloading is avoided through an optimal distribution over all gears.

The unique Baak® go&relax system for safety shoes does nothing else. With this system, all five toes are included in the rolling movement again. So while walking, the load is distributed optimally over all muscles and joints involved. It consists of the Baak® flex cap and the Baak® flex zone in the outsole, both of which are optimally suited to the foot. Only with this unique combination, safety shoes allow the feet to move in a natural and functional way.

The feet, muscles and joints stay fit. That relieves pressure on the entire musculoskeletal system and helps those who wear safety shoes stay healthy in the long term.

If you make sure your car stays in good condition – you should do even more for your feet!







for more info, see pages 68/69

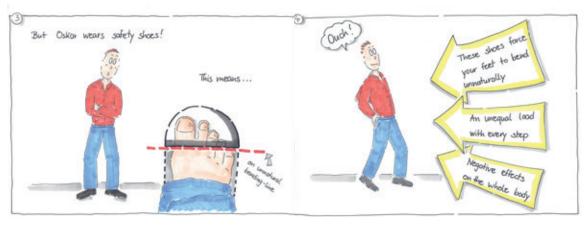


This is how it works: Safety shoes with the Baak® go&relax system are marked with this logo.

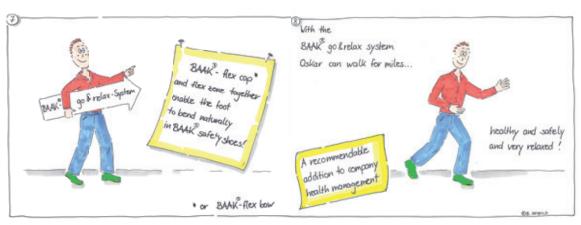


## The Baak®go@relax system











## BAAK Unity go@relax



### For health-conscious people

#### The health expert

Relieve pressure on your musculoskeletal system. With the unique Baak® go&relax system, your feet, muscles and joints will stay fit.

Avoid pressure marks and foot ache. With the smart Baak® multi-width system, the shoe adjusts to your feet automatically.

Minimize the risk of falling or twisting your ankle with the patentpending Baak® fitting system. With its insertable fitting elements, it closes the gap between your foot and your shoe. That gives your foot perfect stability and a safe tread – adjusted to your individual needs.

Baak Unity: The indoor custom shoe that you can buy off the rack.



#### Flex zone

Flex zone enabling optimal bending with a natural and functional movement of the foot



#### Stabilizing straps

The stabilizing straps give the foot the necessary stability exactly where it is needed.

#### Aluminium flex cap

Toe protection through a particularly lightweight aluminium Baak flex cap that supports the optimal bending of the foot

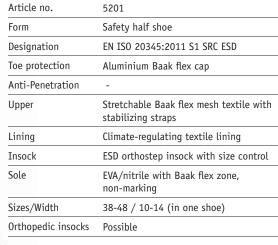
#### Fitting system

Patent-pending system enabling you to adjust the shoe individually to the height of your foot arch.

### Optimus blue





















Baak® multi-width system Extra wide stepping surface

Baak® fitting system

### **Optimus Stone**











Article no.	5212
Form	Safety half shoe
Designation	EN ISO 20345:2011 S1P SRC ESD
Toe protection	Aluminium Baak flex cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Stretchable Baak flex mesh textile with stabilizing straps
Lining	Climate-regulating textile lining
Insock	ESD orthostep insock with size control
Sole	EVA/nitrile with Baak flex zone, non-marking
Sizes/Width	38-48 / 10-14 (in one shoe)
Orthopedic insocks	Possible













Size control on insock Extra wide stepping surface Baak® fitting system

### The Health Concept

#### Relieve the musculoskeletal system!

Due to the unique Baak® go&relax system, the foot can move in a natural way with every step. Thus, the load will be distributed on all needed muscles and joints in an optimal way.

The feet, muscles and joints stay fit and powerful.

This relieves the whole musculoskeletal system.

#### Avoid pressure marks!

Thanks to the clever Baak® multi-width system, the Baak® Unity adjusts automatically to wider or slimmer feet. The feet keep their individual form and will not be corseted in an unnatural way - perfect for pain-sensitive feet.

Pressure marks and foot pain will be avoided - very simply!

#### Minimize the risk of falling and sprained ankles!

With the patent pending Baak® fitting system, the Baak® Unity closes the gap between the foot and the safety shoe individually.

So the foot has a perfect hold and a safe step.

This minimizes the risk of falling and sprained ankles.

You can ask for a detailed description of the Baak Unity range, or you will find it in the download area on www.baak.de/en/



The Baak® qo&relax system



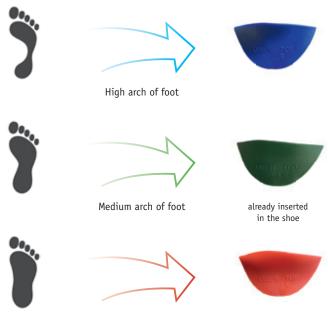
The Baak® multiwidth system



The Baak® fitting system

### **Determining fitting elements**

For a high or flat arch of foot please remove the green fitting element from the shoes and replace it by the blue or red one. The fitting elements are marked with (R+L) for the right and left shoe. Their position is movable individually. In every shoe box you will find a set for foot type determination.



Flat arch of foot

A detailed instruction you will find on www.baak.de/en/



The pocket for the fitting element is protected by a water repellent zipper.



## BAAK Sports light go@relax



### For all those who like light, metal-free shoes

#### The metal-free lightweights

Relieve pressure on your musculoskeletal system. With the unique Baak® go&relax system, your feet, muscles and joints will stay fit. Thanks to the light weight of the shoe, you will reduce your effort and expenditure of energy considerably.

Walking and standing becomes especially comfortable with the shoe's all-over damping. You will feel the advantages of this light, metalfree shoe on hard floors in particular. Some of its models are even available in sizes up to 50.





Flex zone enabling optimal bending with a natural and functional movement of the foot



#### Microfiber with textile inserts Breathable, robust high-tech

textile uppers. Leather-free

#### Composite flex cap

Toe protection through a metal-free composite Baak flex cap that supports the optimal bending of the foot

Lightweight EVA/nitrile sole with high slip resistance (SRC) and all-over damping

### Rick 2







71462 Safety half shoe
Safety half shoe
•
EN ISO 20345:2011 S1P SRC ESD
Composite Baak flex cap
Textile anti-penetration insole board
Microfiber and mesh material
Climate-regulating textile lining
ESD softstep insock
EVA/nitrile with Baak flex zone, non-marking
36-50 / 12
Possible











Metal- and leather-free

#### Ron 2







Article no.	71472
Form	Safety half shoe
Designation	EN ISO 20345:2011 S1P SRC ESD
Toe protection	Composite Baak flex cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Microfiber and mesh material
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	EVA/nitrile with Baak flex zone, non-marking
Sizes/Width	36-48 / 12
Orthopedic insocks	Possible













Metal- and leather-free

### Rene 2







Article no.	72112
Form	Safety sandal
Designation	EN ISO 20345:2011 S1P SRC ESD
Toe protection	Composite Baak flex cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Microfiber and mesh material
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	EVA/nitrile with Baak flex zone, non-marking
Sizes/Width	36-50 / 12
Orthopedic insocks	Possible













Lightweight

### Rico 2







	ETIN (XMETMED
Article no.	74112
Form	Safety sandal
Designation	EN ISO 20345:2011 S1P SRC ESD
Toe protection	Composite Baak flex cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Microfiber and mesh material
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	EVA/nitrile with Baak flex zone, non-marking
Sizes/Width	36-48 / 12
Orthopedic insocks	Possible













Hook-and-loop fastener

### Red







Article no.	71502
Form	Safety half shoe
Designation	EN ISO 20345:2011 S1P SRC ESD
Toe protection	Composite Baak flex cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Microfiber and textile material in net-structure
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	EVA/nitrile with Baak flex zone, non-marking
Sizes/Width	36-48 / 12
Orthopedic insocks	Possible













Metal- and leather-free

### Reeny







	E111075 2-01
Article no.	71522
Form	Safety half shoe
Designation	EN ISO 20345:2011 S1P SRC ESD
Toe protection	Composite Baak flex cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Microfiber and textile material in net-structure
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	EVA/nitrile with Baak flex zone, non-marking
Sizes/Width	36-48 / 12
Orthopedic insocks	Possible











Full-surface damping Metal- and leather-free

### Rob 2







Article no.	73442
Form	Safety half shoe
Designation	EN ISO 20345:2011 S3 SRC ESD
Toe protection	Composite Baak flex cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Cow nubuck leather
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	EVA/nitrile with Baak flex zone, non-marking
Sizes/Width	36-50 / 12
Orthopedic insocks	Possible









Lightweight

#### Robert 2







	TELESTAL DESI
Article no.	73742
Form	Safety ankle boot
Designation	EN ISO 20345:2011 S3 SRC ESD
Toe protection	Composite Baak flex cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Cow nubuck leather
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	EVA/nitrile with Baak flex zone, non-marking
Sizes/Width	36-48 / 12
Orthopedic insocks	Possible











Metal-free Lightweight



## BAAK Industrial go@relax



### For normal-width and extra-wide feet

#### The all-rounders

Relieve pressure on your musculoskeletal system. With the unique Baak® go&relax system, your feet, muscles and joints will stay fit.

Avoid pressure marks and foot ache and choose between two different widths for your safety shoe. You will always find a shoe that fits you, even up to size 50.



#### Flex zone

Flex zone enabling optimal bending with a natural and functional movement of the foot

### Quick-release and hook-and-loop fastener combined

Comfortable fastening system offering additional safety through the hookand-loop fastener for the strap



#### Perforated microfiber material

Perforated, light shaft design

#### Aluminium flex cap

Toe protection through a particularly lightweight aluminium Baak flex cap that supports the optimal bending of the foot. The cap of the XW design is 8 mm wider.

#### Two-width system

Normal and extra-wide fit, which are not only different in the last but also in the width of the sole and cap

### Henk







Article no.	7007 N / 7007 XW
Form	Safety half shoe
Designation	EN ISO 20345:2011 S1P SRC ESD
Toe protection	Aluminium Baak flex cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Perforated microfiber material
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	PU/PU with Baak flex zone, non-marking
Sizes/Width	36N - 47N / 11 39XW - 50XW / 13
Orthopedic insocks	Possible













Elastic lacing with quick fastener

Additional laces included

Leather-free









	<del></del>
Article no.	7227 N / 7227 XW
Form	Safety sandal
Designation	EN ISO 20345:2011 S1P SRC ESD
Toe protection	Aluminium Baak flex cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Perforated microfiber material
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	PU/PU with Baak flex zone, non-marking
Sizes/Width	36N - 47N / 11 39XW - 50XW / 13
Orthopedic insocks	Possible













Double hook-and-loop fastener

Two widths

Leather-free

#### Hendrik







7337 N / 7337 XW
Safety ankle boot
EN ISO 20345:2011 S1P SRC ESD
Aluminium Baak flex cap
Textile anti-penetration insole board
Perforated microfiber material
Climate-regulating textile lining
ESD softstep insock
PU/PU with Baak flex zone, non-marking
36N - 47N / 11 39XW - 50XW / 13
Possible











Elastic lacing with quick fastener

Additional laces included

Two widths

#### The real two-width system by BAAK

The Baak models with the extra-wide design are different from the normal-width shoes not only in their more voluminous last – many of their parts are different, from the sole to the cap, making them optimally suited for wider feet.

- » A wider XW sole so that wider feet have enough space to rest on the sole.
- » A broader and wider last for more volume.
- » An 8 mm wider toe protection cap giving far more space to wider feet.
- » A slightly asymmetrical cap providing more space, especially for the big toe.

N: normal Width 11



Can be identified by a grey logo on the shoe



Toe protection cap: Symmetrical shape, sportive look

XW: extra-wide Width 13



Can be identified by a red logo on the shoe



Toe protection cap: 8 mm wider cap, asymmetrical shape

More info on pages 70/71

### Harris







Article no.	7214 N / 7214 XW
Form	Safety half shoe
Designation	EN ISO 20345:2011 S3 SRC ESD
Toe protection	Aluminium Baak flex cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Smooth leather
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	PU/PU with Baak flex zone, non-marking
Sizes/Width	36N - 47N / 11 39XW - 50XW / 13
Orthopedic insocks	Possible











Protective overcap

Two widths







Article no.	7316 N / 7316 XW
Form	Safety ankle boot
Designation	EN ISO 20345:2011 S3 SRC ESD
Toe protection	Aluminium Baak flex cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Smooth leather
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	PU/PU with Baak flex zone, non-marking
Sizes/Width	36N - 47N / 11 39XW - 50XW / 13
Orthopedic insocks	Possible











Protective overcap Two widths

#### **Protective overcap**

The pulled-up PU sole by Harris and Harrison offers additional protection of the leather during work on construction sites. For those working on their knees, e.g. in industry, it also extends the durability of the shoe effectively.



#### The real two-width system by BAAK

The Baak models with the extra-wide design are different from the normal-width shoes not only in their more voluminous last – many of their parts are different, from the sole to the cap, making them optimally suited for wider feet.

- » A wider XW sole so that wider feet have enough space to rest on the sole.
- » A broader and wider last for more volume.
- » An 8 mm wider toe protection cap giving far more space to wider feet.
- » A slightly asymmetrical cap providing more space, especially for the big toe.



More info on pages 70/71



## **BAAK Sports exclusive**



### For all those who like a chic and sportive style

#### The sportive ones

This shoe will impress you and others with its expressive sportive design and its top-quality workmanship. Walking and standing becomes especially comfortable with the shoe's all-over damping. Experience its excellent fit that perfectly suits feet of many different shapes.



### Jogi







Article no.	7540
Form	Safety half shoe
Designation	EN ISO 20345:2011 S1P HRO SRC ESD
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Microfiber and nylon textile
Lining	Climate-regulating Cambrelle® lining
Insock	ESD softstep insock
Sole	BSD/nitrile
Sizes/Width	38-48 / 11+
Orthopedic insocks	Possible











Optimal full-surface damping ESD climate class 1

Leather-free

### John







	III BAASAFA
Article no.	7542
Form	Safety half shoe
Designation	EN ISO 20345:2011 S1P HRO SRC ESD
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Microfiber and nylon textile
Lining	Climate-regulating Cambrelle® lining
Insock	ESD softstep insock
Sole	BSD/nitrile
Sizes/Width	38-48 / 11+
Orthopedic insocks	Possible









ESD climate class 1 Leather-free

#### **Jens**







Article no.	7531
Form	Safety half shoe open
Designation	EN ISO 20345:2011 S1P HRO SRC ESD
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Microfiber and 3D-Mesh textile
Lining	Climate-regulating Cambrelle® lining
Insock	ESD softstep insock
Sole	BSD/nitrile
Sizes/Width	38-48 / 11+
Orthopedic insocks	Possible











Optimal full-surface damping

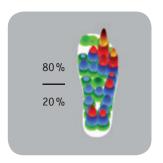
ESD climate class 1

Leather-free

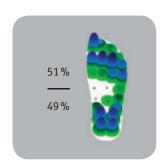
#### **Footprint measurement**

With electronic footprint measurement (pedography), the pressure load under the foot during the natural rolling movement – from the heel over the outer ball and the inner ball to the big toe – is shown in different colours.

Green and blue stand for a low pressure load and red and yellow for a high one. The lower the pressure load, the more pressure is relieved from the entire musculoskeletal system.



Common safety shoe, high pressure load



Baak Sports exclusive, perfect shock absorption and pressure distribution, recommended by orthopedic technicians

For more info, see page 72

### Joe







7533
Safety half shoe open
EN ISO 20345:2011 S1P HRO SRC ESD
Steel cap
Textile anti-penetration insole board
Microfiber and 3D-Mesh textile
Climate-regulating Cambrelle® lining
ESD softstep insock
BSD/nitrile
38-48 / 11+
Possible











Optimal full-surface damping ESD climate class 1

Leather-free

### Jack







Article no.	7535
Form	Safety half shoe open
Designation	EN ISO 20345:2011 S1P HRO SRC ESD
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Microfiber and 3D-Mesh textile
Lining	Climate-regulating Cambrelle® lining
Insock	ESD softstep insock
Sole	BSD/nitrile
Sizes/Width	38-48 / 11+
Orthopedic insocks	Possible











ESD climate class 1 Leather-free

### Jerry







Article no.	7547
Form	Safety half shoe
Designation	EN ISO 20345:2011 S1P HRO SRC ESD
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Mesh material and PU net structure
Lining	Climate-regulating Cambrelle® lining
Insock	ESD softstep insock
Sole	BSD/nitrile
Sizes/Width	39-48 / 11+
Orthopedic insocks	Possible











Optimal full-surface damping Seamless construction Leather-free

### Jim







	TELESCOPE AND A PROPERTY OF THE PROPERTY OF TH
Article no.	7548
Form	Safety half shoe
Designation	EN ISO 20345:2011 S1P HRO SRC ESD
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Mesh material and PU net structure
Lining	Climate-regulating Cambrelle® lining
Insock	ESD softstep insock
Sole	BSD/nitrile
Sizes/Width	38-48 / 11+
Orthopedic insocks	Possible









Seamless construction



## **BAAK Sports**



### For all those who walk a lot and often work on their knees

#### The flexible ones

Feel how easily your feet bend thanks to the extremely flexible sole, especially while working on your knees. Good bump protection is offered by the outsole pulled up at the front. All of these shoes, which have an excellent fit, are available in sizes up to 50.



### Paul







Article no.	7003
Form	Safety half shoe
Designation	EN ISO 20345:2011 S1P SRC ESD
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Cow suede leather and textile
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	PU/PU with flex-line for an easy bending, non-marking
Sizes/Width	38-50 / 11
Orthopedic insocks	Possible









Reflective applications Very flexible

### Pit







Article no.	7013
Form	Safety sandal
Designation	EN ISO 20345:2011 S1P SRC ESD
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Cow suede leather and textile
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	PU/PU with flex-line for an easy bending, non-marking
Sizes/Width	38-50 / 11
Orthopedic insocks	Possible









Quick fastener

Up to size 50

### Peter







Article no.	7204
Form	Safety half shoe
Designation	EN ISO 20345:2011 S3 SRC ESD
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Nubuck leather and textile
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	PU/PU with flex-line for an easy bending, non-marking
Sizes/Width	38-50 / 11
Orthopedic insocks	Possible









Reflective applications

Up to size 50

### Philipp







	EDALAMANAG
Article no.	7304
Form	Safety ankle boot
Designation	EN ISO 20345:2011 S3 SRC ESD
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Nubuck leather and textile
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	PU/PU with flex-line for an easy bending, non-marking
Sizes/Width	38-50 /11
Orthopedic insocks	Possible









Reflective applications

Very flexible
Up to size 50



## **BAAK Industrial**

### 3

### For price-conscious buyers

#### The functional ones

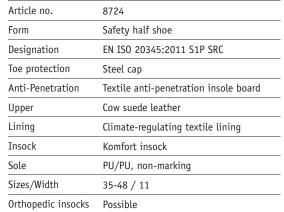
Take advantage of the interesting alternative in the low-price segment, with which you can even use orthopedic insocks.



#### Hugo













Reflective applications









Article no.	8424
Form	Safety sandal
Designation	EN ISO 20345:2011 S1P SRC
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Cow suede leather
Lining	Climate-regulating textile lining
Insock	Komfort insock
Sole	PU/PU, non-marking
Sizes/Width	37-48 / 11
Orthopedic insocks	Possible







Reflective applications

Double hook-and-loop fastener

## Heiko

Article no.

8034













Heel stabilizer Leather tongue

#### Heinrich







	<b>■1964</b> 4754
Article no.	8234
Form	Safety ankle boot
Designation	EN ISO 20345:2011 S3 SRC
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Smooth leather
Lining	Climate-regulating textile lining
Insock	Komfort insock
Sole	PU/PU, non-marking
Sizes/Width	37-48 / 11
Orthopedic insocks	Possible







Leather tongue



# **BAAK Bau**



## For hard work on construction sites

#### The construction site experts

Here you can find your penetration-resistant construction site shoe that fits your individual needs.



#### Board lasted style

Made according to traditional shoemaking techniques. This ensures a permanently good fit as well as high stability in the forefoot area.

## Bob







Article no.	6383
Form	Safety half shoe
Designation	EN ISO 20345:2011 S3
Toe protection	Steel cap
Anti-Penetration	Steel
Upper	Smooth leather
Lining	Climate-regulating Cambrelle® lining
Insock	Softstep insock
Sole	EVA/nitrile with 5mm lug tread
Sizes/Width	39-47 / 11+
Orthopedic insocks	Possible





Protection against twisted ankles through safety system

Full-surface damping

# Big Bob







Article no.	6683
Form	Safety ankle boot
Designation	EN ISO 20345:2011 S3
Toe protection	Steel cap
Anti-Penetration	Steel
Upper	Smooth leather
Lining	Climate-regulating Cambrelle® lining
Insock	Softstep insock
Sole	EVA/nitrile with 5mm lug tread
Sizes/Width	39-47 / 11+
Orthopedic insocks	Possible





Full-surface damping

## **Barney**







Article no.	6384
Form	Safety half shoe
Designation	EN ISO 20345:2011 S3 HRO SRC
Toe protection	Steel cap
Anti-Penetration	Steel
Upper	Smooth leather
Lining	Climate-regulating Cambrelle® lining and leather
Insock	Softstep insock
Sole	EVA/nitrile with 5mm lug tread, heat-resistant (HRO)
Sizes/Width	39-48 / 11+
Orthopedic insocks	Possible

S3







Protection against twisted ankles through safety system

Double nitrile overcap

Full-surface damping

Special sole

## Big Barney







Article no.	6684
Form	Safety ankle boot
Designation	EN ISO 20345:2011 S3 HRO SRC
Toe protection	Steel cap
Anti-Penetration	Steel
Upper	Smooth leather
Lining	Climate-regulating Cambrelle® lining and leather
Insock	Softstep insock
Sole	EVA/nitrile with 5mm lug tread, heat-resistant (HRO)
Sizes/Width	39-48 / 11+
Orthopedic insocks	Possible









Protection against twisted ankles through safety system

Double nitrile overcap

Full-surface damping

Special sole

## Bert







Article no.	8334
Form	Safety half shoe
Designation	EN ISO 20345:2011 S3 SRC
Toe protection	Steel cap
Anti-Penetration	Steel
Upper	Smooth leather
Lining	Climate-regulating textile lining
Insock	Komfort insock
Sole	PU/PU, non-marking
Sizes/Width	37-48 / 11
Orthopedic insocks	Possible

S3 S





Without seams at the sides

Heel stabilizer

Leather tongue

# Big Bert







Article no.	8634
Form	Safety ankle boot
Designation	EN ISO 20345:2011 S3 SRC
Toe protection	Steel cap
Anti-Penetration	Steel
Upper	Smooth leather
Lining	Climate-regulating textile lining
Insock	Komfort insock
Sole	PU/PU, non-marking
Sizes/Width	37-48 / 11
Orthopedic insocks	Possible







Without seams at the sides

Heel stabilizer

Leather tongue

# Andy







Article no.	2240
Form	Safety half shoe
Designation	EN ISO 20345:2011 S3
Toe protection	Steel cap
Anti-Penetration	Steel
Upper	Smooth leather
Lining	Climate-regulating textile lining and leather vamp lining
Insock	Komfort insock
Sole	PU/TPU, transparent, non-marking
Sizes/Width	38-48 / 11

**S**3

Transparent outsole

Leather vamp lining

Steep heel

## Andrew







	E2177 (04 0 04 04 04 04 04 04 04 04 04 04 04 04
Article no.	2340
Form	Safety ankle boot
Designation	EN ISO 20345:2011 S3
Toe protection	Steel cap
Anti-Penetration	Steel
Upper	Smooth leather
Lining	Climate-regulating textile lining and leather vamp lining
Insock	Komfort insock
Sole	PU/TPU, transparent, non-marking
Sizes/Width	38-48 / 11

**S**3

Transparent outsole

Leather vamp lining

Steep heel

# Bill







Article no.	6352
Form	Safety half shoe
Designation	EN ISO 20345:2011 S3 HRO
Toe protection	Steel cap
Anti-Penetration	Steel
Upper	Genuine oily leather
Lining	Leather lining
Insock	Anatomically shaped insock
Sole	PU/nitrile, short-time heat-resistant up to 300°C (HRO), non-marking
Sizes/Width	39-47 / 11

S3

HRO

Protection against twisted ankles through support system

eather lining

Overcap









Article no.	6652
Form	Safety ankle boot
Designation	EN ISO 20345:2011 S3 HRO
Toe protection	Steel cap
Anti-Penetration	Steel
Upper	Genuine oily leather
Lining	Leather lining
Insock	Anatomically shaped insock
Sole	PU/nitrile, short-time heat-resistant up to 300°C (HRO), non-marking
Sizes/Width	39-47 / 11

S3



Protection against twisted ankles through support system

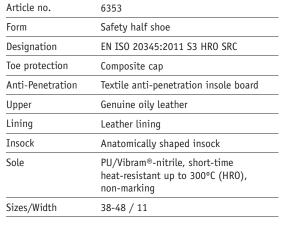
Leather lining

Overcai

#### Ben















 $\label{protection} \mbox{Protection against twisted ankle through support system}$ 

Leather lining

# Big Ben







	[minexe/fir/d]
Article no.	6653
Form	Safety ankle boot
Designation	EN ISO 20345:2011 S3 HRO SRC
Toe protection	Composite cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Genuine oily leather
Lining	Leather lining
Insock	Anatomically shaped insock
Sole	PU/Vibram®-nitrile, short-time heat-resistant up to 300°C (HRO), non-marking
Sizes/Width	38-48 / 11









Protection against twisted ankle through support system

Leather lining

0vercap

## Bruce







Article no.	6390
Form	Safety half shoe
Designation	EN ISO 20345:2011 S3 SRC WR
Toe protection	Steel cap
Anti-Penetration	Steel
Upper	Smooth leather
Lining	Breathable Sympatex® lining
Insock	Softstep insock
Sole	PU/TPU, non-marking
Sizes/Width	38-48 / 12
Orthopedic insocks	Possible









Waterproof thanks to Sympatex®

Overcap made of titan leather

Leather tongue

# **Big Bruce**







Article no.	6690
Form	Safety ankle boot
Designation	EN ISO 20345:2011 S3 SRC WR
Toe protection	Steel cap
Anti-Penetration	Steel
Upper	Smooth leather
Lining	Breathable Sympatex® lining
Insock	Softstep insock
Sole	PU/TPU, non-marking
Sizes/Width	38-48 / 12
Orthopedic insocks	Possible









Waterproof thanks to Sympatex®

Overcap made of titan leather

Leather tongue

# Sympatex® - 100% waterproof, windproof and breathable!



#### Always have dry feet!

All those who spend much time outdoors have very high demands on their shoes. They should keep the feet dry and regulate the temperature optimally, depending on the weather and activity. 100% waterproof, optimally breathable and 100% windproof.

Environmentally friendly with a 100% recyclable membrane.





100% waterproof



breathable



100% windproof



# **BAAK Polar**



## For warm feet when it is cold

#### The specialists for cold temperatures

When temperatures are low, protect yourself with these boots – with a fluffy, warming woven lamb wool lining and cold-insulating insoles.





# Magnus







Both models with locking hooks

Article no.	8514
Form	Safety winter boot
Designation	EN ISO 20345:2011 S3 CI
Toe protection	Steel cap
Anti-Penetration	Steel
Upper	Smooth cow leather
Lining	Fully lined with warm fur lining
Insock	Insock with fur lining
Sole	PU/PU, cold-insulated, non-marking
Sizes/Width	38-48 / 11

S3 CI

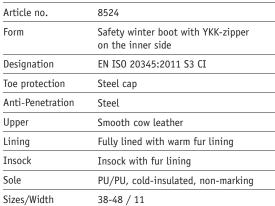
Warm fur lining
Without seams at the sides
Overcap



# Magnus-Profi









Warm fur lining
Without seams at the sides

YKK zipper

Overcap



Both models free of seams at the sides



# **BAAK Woman premium**



## For active women

#### The specialists in ladies

You will feel comfortable in these shoes, which fit ladies' feet especially well as they are made using special ladies' lasts. Walking and standing becomes especially comfortable with the shoes' all-over damping.



An ergonomic pivot point in the ball area makes it easier to turn while standing.



## Sue







Article no.	3211
Form	Safety sandal
Designation	EN ISO 20345:2011 S1 SRC ESD
Toe protection	Steel cap
Anti-Penetration	-
Upper	Microfiber material
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	EVA/nitrile, non-marking
Sizes/Width	35-42 / 10
Orthopedic insocks	Possible









Pivot point in the outsole Special last for ladies' feet

Quick fastener Leather-free

# Sally







Article no.	3216
Form	Safety half shoe
Designation	EN ISO 20345:2011 S3 SRC ESD
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Hydrophobized microfiber material
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	EVA/nitrile, non-marking
Sizes/Width	35-42 / 10
Orthopedic insocks	Possible









Special last for ladies` feet Leather-free

#### Sina







Article no.	3215
Form	Safety half shoe
Designation	EN ISO 20345:2011 S1P SRC ESD
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Microfiber material
Lining	Climate-regulating textile lining
Insock	ESD softstep insock
Sole	EVA/nitrile, non-marking
Sizes/Width	35-42 / 10
Orthopedic insocks	Possible









Pivot point in the outsole

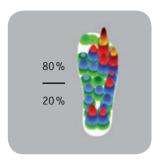
Special last for ladies' feet

Leather-free

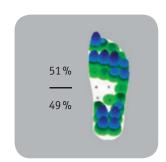
#### **Footprint measurement**

With electronic footprint measurement (pedography), the pressure load under the food during the natural rolling movement – from the heel over the outer ball and the inner ball to the big toe – is shown in different colours.

Green and blue stand for a low pressure load and red and yellow for a high one. The lower the pressure load, the more pressure is relieved from the entire musculoskeletal system.



Common safety shoe, high pressure load



Baak Woman premium, perfect shock absorption and pressure distribution, recommended by orthopedic technicians

For more info, see page 72

## Scarlett







Article no.	3311
Form	Safety half shoe, open
Designation	EN ISO 20345:2011 S1P SRC ESD
Toe protection	Steel cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Microfiber material and 3D mesh textile
Lining	Climate-regulating Cambrelle® lining
Insock	ESD softstep insock
Sole	BSD/nitrile, non-marking
Sizes/Width	36-42 / 10+









Rubber toe protection Special last for ladies' feet Full-surface damping

# Silvy







	Entro 6-4 Neg
Article no.	3425
Form	Safety half shoe
Designation	EN ISO 20345:2011 S1P
Toe protection	Composite cap
Anti-Penetration	Textile anti-penetration insole board
Upper	Microfiber material and mesh material
Lining	Climate-regulating textile lining
Insock	Comfort insock
Sole	EVA/nitrile, non-marking
Sizes/Width	36-42 / 10+







Special last for female feet Lightweight Full-surface damping





# **BAAK DogWalker**

# For dog lovers

#### The special shoes for dog lovers

To help you keep up when taking the dog for a walk, the Sympatex® membrane keeps your feet dry, the special outsole ensures a very good grip, and the excellent fit gives you high wearing comfort. But of course, the lightweight Baak DogWalkers are also ideally suited for hiking – even without a dog.



## Boomer





Article no.	1026
Form	Baak DogWalker Sporty half shoe
Upper	Easy-care nubuck leather and breathable textile
Lining	100% waterproof, windproof and breathable thanks to Sympatex® membrane
Insock	Anatomically shaped climate insock
Sole	PU/Vibram®
Sizes/Width	36-47



Waterproof thanks to Sympatex®

Vibram® outsole

Light

# Bobby





Article no.	1020
Form	Baak DogWalker half shoe
Upper	Easy-care nubuck leather, softly padded edge
Lining	100% waterproof, windproof and breathable thanks to Sympatex® membrane
Insock	Anatomically shaped climate insock
Sole	PU/Nitril
Sizes/Width	36-47



Waterproof thanks to Sympatex®

Light

# Charly



Article no.	1030
Form	Baak DogWalker Agility half shoe
Upper	Breathable High-Tech textile
Lining	Water-resistant, windproof membrane
Insock	Anatomically shaped climate insock
Sole	PU/Vibram®
Sizes/Width	36-47





# Sunny





Article no.	1022
Form	Baak DogWalker sandal
Upper	easy-care nubuck leather, lacing with quick fastener
Lining	Soft, fast drying lining
Insock	Anatomically shaped climate insock
Sole	PU/nitrile
Sizes/Width	36-47

Quick fastener

# Lucky





Article no.	1021	
Form	Baak DogWalker ankle boot	
Upper	Easy-care nubuck leather, softly padded edge	
Lining	100% waterproof, windproof and breathable thanks to Sympatex® membrane	
Insock	Anatomically shaped climate insock	
Sole	PU/nitrile	
Sizes/Width	36-47	



Waterproof thanks to Sympatex®

Lightweight

## Lines





Article no.	1027
Form	Baak DogWalker ankle boot
Upper	Easy-care genuine oily cow leather
Lining	100% waterproof, windproof and breathable thanks to Sympatex® membrane
Insock	Anatomically shaped climate insock
Sole	PU/Vibram®
Sizes/Width	36-47



Waterproof thanks to Sympatex®

Vibram® outsole

Lightweight



## Rocco



Article no.	1029
Form	Baak DogWalker Profi boot
Upper	Easy-care genuine oily cow leather for protection against wetness and coldness
Lining	100% waterproof, windproof and breathable thanks to Sympatex® membrane
Insock	Anatomically shaped climate insock
Sole	PU/Vibram®
Sizes/Width	36-47



Waterproof thanks to Sympatex®

Vibram® outsole
All-season boot

Extremely lightweight



# Rocky



Article no.	1023	
Form	Baak DogWalker winter boot	
Upper	Easy-care genuine oily cow leather for extreme protection against wetness and coldness	
Lining	100% waterproof, windproof and breathable thanks to Sympatex® membrane and warm fur lining	
Insock	Anatomically shaped climate insock	
Sole	PU/Vibram®	
Sizes/Width	36-47	



Waterproof thanks to Sympatex®

Vibram® outsole

Warm winter boot

Extremely lightweight

# **BAAK Accessories**

#### For our shoes





# Baak ESD Softstep insock for women's shoes

Article no. 4660	
------------------	--

- » Softly damping, shock-absorbing insock made of PU foam
- » Breathable, with particularly good moisture absorption and release. Moisture is carried away from the foot quickly.
- » Antibacterial and fungicidal thanks to silver ions
- » Conductive and thus especially well suited for ESD shoes
- » Sizes 35-42
- » Usable for Models 3211, 3215, 3216, 3311

# Baak ESD Softstep insock for men's shoes

Article no.	4661	4662
Design	normal	wide

- » Softly damping, shock-absorbing insock made of PU foam
- » Breathable, with particularly good moisture absorption and release. Moisture is carried away from the foot quickly.
- $\ensuremath{\text{\textit{»}}}$  Antibacterial and fungicidal thanks to silver ions
- » Conductive and thus especially well suited for ESD shoes
- » Sizes 36-50
- » Normal design: Usable for the models of the Baak Sport exclusive and Baak Sports series, for Models 6383, 6683, 6384, 6684, 6390, 6690 and for the following models with Width N: 7007, 7227, 7337, 7214, 7316
- » Wide design: Usable for the models of the Baak Sport light series and the following models with Width XW: 7007, 7227, 7337, 7214, 7316





- » Softly damping, shock-absorbing insock made of PU foam
- » Breathable, with particularly good moisture absorption and release. Moisture is carried away from the foot quickly.
- » Antibacterial and fungicidal thanks to silver ions

4663

- » Conductive and thus especially well suited for ESD shoes
- » Size control for determining the right shoe size
- » Sizes 38-48

Article no.

» Usable for the models of the Baak Unity series



#### **Baak Komfort insock**

Article no. 4	6	1	1
---------------	---	---	---

- » Softly damping, shock-absorbing insock made of EVA foam
- » Damping element in the ball and heel areas
- » Breathable thanks to perforation in the forefoot area
- » Antistatic thanks to conductive thread
- » Sizes 37-48
- » Usable for Models 8424, 8724, 8034, 8234, 8334, 8634



#### **Baak Gel-Komfort insock**

Article	no.	4625

- » Softly damping, shock-absorbing insock made of EVA foam
- » Damping element in the ball area and gel pad in the heel
- » Breathable thanks to perforation in the forefoot area
- » Antistatic thanks to conductive thread
- » Sizes 38-48
- » Usable for Models 2240, 2340, 6390, 6690



#### Baak COOLMAX® functional sock

Article no.	413639	414043	414447
Size	36-39	40-43	44-47
Composition	55% COOLMAX®, 35% polyamide, 8% polypropylene, 2% elastane		

- » Optimal foot climate thanks to the breathable  ${\tt COOLMAX}^{\tiny{\textcircled{\tiny 0}}}$
- » Strengthening through padded zones in the toe, sole and heel areas
- » Comfortably fitting band
- » Öko-Tex Standard 100
- » Washable up to 30°C





#### Baak shoe laces

Article no.	2950	2952	2955
Colour	black/grey	black/grey	black/grey
For Models	all	all	all
Length	100 cm	120 cm	150 cm

# Your advantages with BAAK

For you - healthy and safe



safety shoes with Baak® go&relax system



Environment protection in cooperation with the service provider Interseroh

#### State-of-the-art safety shoes

Baak is an expert on safety shoes that are optimally suited to the foot. The company's own product development department keeps doing research on the latest technologies, materials and ideas for the sake of those who wear safety shoes. For example, Baak was the first safety shoe manufacturer to identify the excellent benefits of a lightweight, damping sole material from the running shoe sector and introduced EVA into the safety shoe industry with great success.

To keep improving our competence in optimally suited safety shoes, we also like to cooperate with experts from neighbouring disciplines. For example, we developed the Baak® go&relax system in cooperation with one of the world's leading biomechanists, Prof. Dr. Gert-Peter Brüggemann.

#### A high level of quality

For Baak, a functioning quality management system plays an important role. The quality of the raw materials, the individual shoe parts and the finished safety shoes is controlled permanently. This is done by specially trained Baak staff at the production sites and, of course, also at the incoming goods department.

#### For the sake of the environment

In cooperation with a major recycling company, Baak ensures that all sales and packing materials are disposed of in an environmentally appropriate way and recycled with a CO2 certificate. The transport of our parcels by the parcel service DPD is CO2-neutral. Almost all communication with our distributors is environmentally friendly, i.e. paperless. Order confirmations and invoices are sent mainly by email.

#### High delivery performance

The goods are dispatched from our warehouse in Germany, where Baak keeps its stocks of its entire product range. In addition, most distributors keep stocks of their end customers' shoe models.

#### Safety shoes that are really safe

Baak is a member of the German Standards Committee. We know our trade and are aware of our responsibility. All safety shoes are certified according to the most recent European standards. The compliance with those standards is checked permanently.

#### More than protection – long-term health maintenance

Compliance with all protection standards is self-evident. Besides, the development of Baak's safety shoes focuses on the long-term health maintenance of those who wear them. Only safety shoes optimally suited to the feet allow them to move naturally.

The feet, muscles and joints stay fit, which relieves pressure on the entire musculoskeletal system. For this reason, we have developed the unique Baak® go&relax system.

Only the combination of the Baak® flex cap and the Baak® flex zone in the outsole allows the feet to bend in a natural, optimal way in the area of the basic toe joints while walking and keeps those who wear the shoes healthy in the long term.

#### Safety shoes that adjust to your feet

With the Baak® go&relax system, your shoe adjusts to the natural bending behaviour of your foot.

Thanks to the Baak® multi-width system, the shoe takes over the individual width and shape of your foot.

The Baak® fitting system closes the gap between your foot and your shoe individually.

#### **Advice and support**

Baak will be happy to support you – with staff training, joint presentations for end customers or assistance in the case of problems.

#### Our company has the human touch

This concerns our relationships with those who wear our safety shoes, with our distributors and production partners, and with our own staff. As an owner-managed family business, we are aware of our social, ecological and economic responsibility.

Sustainable actions as well as fundamental social values and minimum standards are self-evident to us. In particular, this also applies to the working conditions at the manufacturing sites of your Baak safety shoes. We will be happy to send you our "Code of Conduct".



A useful contribution to company health management



Part of the Baak team at the A+A fair in Düsseldorf 2015

# The BAAK® go & relax system

A totally new concept of safety shoes

#### Natural and functional foot load distribution

The shapes of the Baak® flex cap and the Baak® flex zone in the outsole are optimally suited to the foot and based on the natural bending line of the basic toe joints. Therefore, a safety shoe with the Baak® go&relax system, unlike a common safety shoe, bends in a way that is optimally suited to the foot's function.

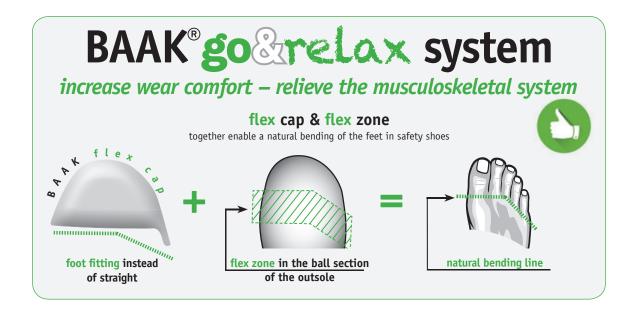
The foot is able to move in a natural and biomechanically correct manner. One of the world's leading biomechanists, Prof. Dr. Gert-Peter Brüggemann, was involved in the development of the Baak® go&relax system to a considerable extent.





A natural and functional foot roll in the shoe makes a contribution to the health of the foot, muscles and joints. It releases the whole musculoskeletal system.

Prof. Dr. Gert-Peter Brüggemann



#### Always stay fit

The Baak® go&relax system distributes the load optimally over all muscles and joints involved – with every step. The feet, muscles and joints stay fit. That relieves pressure on the entire musculoskeletal system. Unequal load distributions are prevented successfully. Walking is really comfortable. A shoe should always allow the foot to do what it wants to do naturally. Therefore, for people who wear safety shoes for many hours a day, a natural and functional foot load distribution is of particular importance.

A useful contribution to company health management.



Times should be over when feet in safety shoes were forced to an unnatural bending and to a lack of movement.



Healthy feet release the whole musculoskeletal system



#### Incorrect loading and its results

Due to the unnatural form of common toe protection caps, the feet bend in an unnatural way in the section of the basic toe joints, with every step. In addition, most of the existing outsoles are stiff like a plaster cast. This limits the movement of the basic toe joints.

The load during walking is not distributed optimally. The musculature, sinews and bands of the feet are more or less deactivated. The muscles of the feet are weakened when they were not used. The consequences are negative for the dynamics of the foot and the whole body statics.

# **BAAK Toe Protection Caps**

# Three materials – always safe

Toe protection caps for safety shoes must be able to resist an impact energy of 200 joules, independently of their material (pursuant to EN 20345:2011). 200 joules are achieved when a weight of 20 kg drops from a height of 1 metre. In another test, the toe protection caps must resist a static pressure of 1.5 tons (15 kilo newton). Baak uses toe protection caps made of three different materials: steel, aluminium and composite. The shape and design of the toe protection caps has a decisive effect on the space for the toes and the rolling of the foot.

#### Cap materials

#### Steel caps

have always been used for safety shoes. They are stable, and their weight is less than 100 grams for size 42.

#### Aluminium caps

are 40% lighter than steel caps. Due to the weaker resistance of aluminium, they are a bit thicker than the steel ones in order to comply with the stability requirements of the standards. They are anti-magnetic.

#### Composite caps

consist of composite materials, which obtain the necessary stability from synthetic resins. They are also 40% lighter than steel caps, and their material thickness is higher than that of steel caps. They enable the production of completely metal-free safety shoes.

#### Cap shapes

#### Symmetrical caps

are used mainly for slim and normal-width feet. The instep of those feet runs relatively close to the centre towards the second toe, which is also the longest toe in most cases. Shoes with symmetrical caps have a sportive look.

#### Asymmetrical caps

are often used for relatively wide feet. The instep of those feet runs towards the big toe, which is also the longest toe in most cases. Shoes with asymmetrical caps provide more space in the area of the big toe.

In addition, in the Baak two-width system, the asymmetrical cap for the extra-wide shoes is 8 mm wider than the symmetrical cap of the normal-width shoes. The Baak® two-width system is used for the models of the Baak Industrial series with the Baak® go&relax system (see page 19ff).

#### Cap design

Baak® flex caps are extended on the outside. Thus, in combination with the Baak® flex zone in the outsole, it is possible for the feet to bend naturally in the area of the basic toe joints.



Different toe caps for different shoe widths



Functional foot load thanks to the Baak® flex cap and Baak® flex zone

# **Baak Width Technology**

## Making sure that your shoe fits you well

Every foot is very individual. This is true not only for the foot's length but also for its width. About half of all human beings (50%) have feet of average width, 45% have extra-wide feet and 5% have narrow ones.

#### Which Baak series for what type of foot?

#### For normal-width feet: all Baak series

In all series, you will find shoes that are suitable for normal-width feet. Shoes of the widths 11 (N), 11+ and 12 offer an excellent fit for those feet. The individual adjustment is done through the lacing, the quick-release fastener or the hook-and-loop fastener.

#### For normal-width and extra-wide feet: the Baak Industrial go&relax series



The real Baak® two-width system – two shoes for two widths

The five models of this series offer individual fits for normal-width and extra-wide feet. Here, Baak uses the real two-width system: Each width has its own special sole shape, its own last and its own toe protection cap shape. This is the only way to ensure that the foot always rests on the sole optimally. Width N = N = N = N Width N = N = N Width N = N = N Width N =

As the shape of slimmer and wider feet is not the same, two different lasts ensure the perfect fit for each type of foot. With the 8 mm wider toe protection cap (difference from Width N at Size 42), even relatively wide feet are given enough space for their toes.

#### For all feet: the Baak Unity series



The unique Baak® multi-width system – one shoe for many widths

The unique Baak® multi-width system of the Baak Unity series offers individual width adjustment in the width range from 10 to 14 with only one shoe. How is that possible? It's quite simple: The Baak Unity models actually consist of two shoes, an inner and an outer one.

The "inner" shoe consists of an extremely elastic Baak flex mesh material, the sock shaft. It adjusts individually to your foot and to its width and shape. The necessary stability is given by the six stabilizing straps of the "outer" shoe. Baak Unity – the genius in fits. The custom shoe that you can buy off the rack.

To learn more about our width technology, visit our website: www.baak.de/en



Every foot is individual.



You can recognize the Width N shoes by the silver Baak foot and the XW shoes by the red Baak foot.

# **Baak Sole Technology**

#### Different materials for different needs

The soles of our safety shoes consist of two layers that serve different purposes: the midsole and the outsole. The midsole is soft and elastic. It provides good damping and reduces stress on the joints. The outsole is harder and resistant to mechanical and thermal influences. It is also slip-resistant and as abrasion-resistant as possible. The profile layout and the bending behaviour are among the decisive factors that allow the foot to roll over.



#### Midsole materials

#### EVA: ethylene vinyl acetate / BSD

EVA is a very lightweight high-quality caoutchouc foam that is also used as midsole material in running shoes. Pressure-moulded EVA is not only very lightweight and elastic but also has excellent damping properties. Another advantage is its great temperature range from  $-30\,^{\circ}\text{C}$  to  $+170\,^{\circ}\text{C}$ . Baak was one of the first safety shoe manufacturers to identify those benefits and uses EVA for many of its models. BSD (Baak Special Damping) is a further development of EVA by Baak with an optimized durability, damping and bending behaviour.

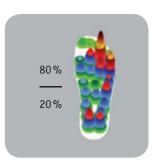
#### Electronic footprint measurement

With electronic footprint measurement (pedography), the pressure load under the foot during the natural rolling movement – from the heel over the outer ball and the inner ball to the big toe – is shown in different colours. Green and blue stand for a low pressure load and red and yellow for a high one. The lower the pressure load, the more pressure is relieved from the entire musculoskeletal system.

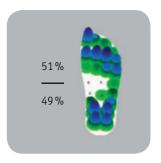
#### PU: polyurethane

Polyurethane is a foamed plastic that is characterized by high elasticity and a comfortable damping behaviour.

# Electronic footprint measurement



Common safety shoe, high pressure load



Baak models with EVA and BSD midsole, optimal damping and balanced pressure distribution (51% at the front, 49% at the back).

#### **Outsole materials**

#### Nitrile rubber

The outsoles made of nitrile rubber are highly resistant to oils, fuels, many acids and faeces. They are very slip-resistant, robust and durable and have an excellent abrasion behaviour. In addition, they can be heat-resistant up to 300°C. Nitrile rubber outsoles are a little heavier than PU outsoles. Therefore, Baak combines them with particularly lightweight midsole materials in most cases. Nitrile outsoles with a rough lug tread are especially well suited for use in areas with sharp-edged splinters of glass and cuttings on the floor.

#### PU: polyurethane

Outsoles made of polyurethane, like nitrile rubber outsoles, are resistant to oils, fuels and certain chemicals. They are more lightweight than rubber and have good damping properties. They are heat-resistant up to 120°C and flexible at low temperatures up to -30°C.

#### **TPU:** thermoplastic polyurethane

Thermoplastic polyurethane is a special PU. It has the same positive properties and some more advantages such as a better abrasion behaviour, bending endurance and slip resistance.

#### Outsole design

Outsoles with the Baak® go&relax system allow the feet to bend naturally in the area of the basic toe joints. This is guaranteed by the Baak® flex zone – which is specially integrated in the outsole – in combination with the Baak® flex cap.









The Baak® flex zone allows the feet to bend naturally.

Outsoles with Baak  $^{\rm 8}$  flex zone from the Baak Unity, Baak Sports light and Baak Industrial series with the go&relax system

# **BAAK and ESD**



# Electrostatic discharge - protect your products



electrostatic discharge



The wear of ESD shoes in the production process protects electronic components from destruction.

#### What do ESD safety shoes by Baak offer you?

Baak has developed into an ESD specialist in recent years. All ESD safety shoes by Baak have been optimized for their ESD capabilities down to the minutest details. For example, they have electrostatically conductive insole boards and insocks. As a result, the recommended discharge resistance is achieved safely even if the shoe is not in contact with the grounded floor all over.

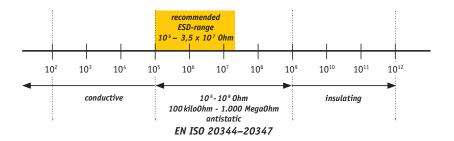
#### What does ESD (electrostatic discharge) mean?

Each of us "gets a jolt" from time to time when touching a doorknob, other people etc. The reason is that you have been charged electrostatically, for example while walking on a carpet. But sometimes the "friction" of your body at the air is sufficient. If you come close to an uncharged or differently charged object, a spontaneous discharge takes place, comparable to a mini-lightning. Human beings feel those discharges starting at a voltage of about 2,000V. Each of us causes small discharges every day, but they are not perceptible because most of them are considerably below 2,000V.

But if you are in touch with an electronic element, it might even be damaged due to the non-perceptible discharges. Besides this damage, the quality of this element could decrease, and as a consequence, your claim rate might raise.

But also in areas with an increased danger of fire or explosion, electrostatic discharges have to be avoided. They could fan flames or spark explosive gases.

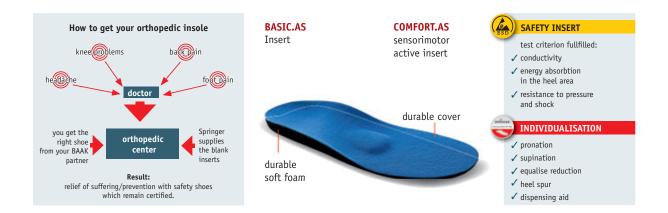
There are various possibilities to avoid uncontrolled electrostatic discharges. Probably the most practical and flexible one is to wear ESD shoes on a grounded floor. The target is to be charged with a voltage at a maximum of 100 volts (currently recommended limit). Of course, your clothing and your entire workplace should have ESD properties, too.



You can find more info and advice regarding ESD safety shoes on our website: http://www.baak.de/en/esd

# Baak and orthopedic foot protection

Individual and standard



#### The 4 steps to get your orthopedic insock:

- Take your DGUV-Rule 112-191 certified Baak safety shoe and your prescription to the orthopedic shoemaker or medical supply store of your own choice.
- The orthopedic shoemaker orders the correct blank for you according to the prescription. Please have a look at our website: here you see which orthopedic insock is certified for which shoe.
- $oxed{3}$  The orthopedic shoemaker modifies the blanks according to your individual needs.
- The standard insock will then be replaced by your new insock.

It is guaranteed that after the modification, the shoes will still comply with the EN ISO 20345 standard and offer the same protection to the wearer as all other products from Baak.

#### The orthopedic blanks are available here

#### Springer Aktiv AG

Insock Basic AS and Insock Comfort AS
Info and supply on www.springer-berlin.de

#### Schuhe + Orthopädie Wurzlbauer GmbH

Insock Ped ESD, Ped ESD Dia, Sensomot 1 and Sensomot 2 Info and supply on www.wurzlbauer.com

Note: Wearing personal inserts which are not certified is not allowed. The certification of the safety shoe, and thus its insurance cover, will be lost as a result.



This sign shows you the Baak models that are certified for orthopedic insocks generally. Every shoe that has such a certification has an info hangtag attached.

You can find further detailed information on certified inserts and on the DGUV Rule 112-191 as well as the Austrian ÖNorm Z 1259 standard on our website at http://www.baak.de/en/orthop-insocks

# At a glance

# Standards, safety categories & additional requirements

Baak safety shoes comply with the EN ISO 20345 standard and are therefore fitted with protective caps which can withstand a testing energy of 200 joules and a pressure of 15 kN. They meet all of the basic requirements of the EC Directive on personal protective equipment.



#### Safety Category S1

The shoes of this category are suitable for areas in which no influence of moisture is expected.

They fulfil the important additional requirements: the ability to absorb energy in the heel, a closed heel area, a fuel-resistant sole and an antistatic design of the outsole.



#### Safety Category S2

As S1, but with uppers preventing water penetration, for areas in which the influence of moisture is expected.



#### Safety Category S3

As S2, but, in addition, with a penetration-resistant midsole, for areas in which the risk of sharp objects penetrating the sole exists.



#### Penetration protection

Protection against the penetration of sharp objects through the sole (S1P).



#### Heat resistance

Protection against contact heat through a heat-resistant outsole (60 seconds at up to 300°C).



#### **Cold insulation**

Protection against cold through a cold-insulating outsole (max. temperature drop of 10°C in 30 min.).



#### Waterproof

Protection against water penetration (tested on the complete shoe).



#### Slip resistance

Slip resistance of the highest category according to DIN EN 13287, test passed on ceramic tiles with detergent (SRA) as well as steel floor with oil (SRB).



#### Metal-free

100% metal-free safety shoes



#### Two-width

Models available in two widths (see p. 71)



#### Multi-width

Models with adjustable width (see p. 71)



#### **DGUV Rule 112-191**

Models certified for orthopedic insocks (see p. 75)



#### ESD - Electrostatic discharge

Reduces electrostatic charge (see p. 74)



#### SympaTex®

windproof, waterproof, breathable



#### Vibram®

Outdoor sole with good running properties

	<b>S1</b>	<b>S2</b>	\$3
Basic requirements according to ISO 20345:2011	✓	✓	✓
Closed seat region	✓	✓	✓
Resistance to fuel oil	✓	✓	✓
Antistatic properties	✓	✓	✓
Energy absorption in seat region	✓	✓	✓
Water penetration / absorption of the upper		✓	✓
Penetration resistance (P)			✓
Cleated outsole			✓

# AAK Droduct Dan

# **BAAK Product Range**

# Overview sorted by article number

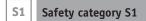
Article no.	Name	Page
1020	Bobby	60
1021	Lucky	62
1022	Sunny	61
1023	Rocky	63
1026	Boomer	60
1027	Lines	62
1029	Rocco	63
1030	Charly	61
2240	Andy	43
2340	Andrew	43
3211	Sue	54
3215	Sina	55
3216	Sally	54
3311	Scarlett	56
3425	Silvy	56
5201	Optimus Blue	10
5212	Optimus Stone	10
6352	Bill	44
6353	Ben	45
6383	Bob	40
6384	Barney	41
6390	Bruce	46
6652	Big Bill	44
6653	Big Ben	45
6683	Big Bob	40
6684	Big Barney	41
6690	Big Bruce	46
7003	Paul	32
7007 N/XW	Henk	20
7013	Pit	32

Article no.	Name	Seite
71462	Rick2	14
71472	Ron2	14
71502	Red	16
71522	Reeny	16
7204	Peter	33
72112	Rene2	15
7214 N/XW	Harris	22
7227 N/XW	Hardy	20
7304	Philipp	33
7316 N/XW	Harrison	22
7337 N/XW	Hendrik	21
73442	Rob2	17
73742	Robert2	17
74112	Rico2	15
7531	Jens	27
7533	Joe	28
7535	Jack	28
7540	Jogi	26
7542	John	26
7547	Jerry	29
7548	Jim	29
8034	Heiko	37
8234	Heinrich	37
8334	Bert	42
8424	Henry	36
8514	Magnus	50
8524	Magnus Profi	51
8634	Big Bert	42
8724	Hugo	36

# AK Product Range

# **BAAK Product Range**

Overview sorted by safety category

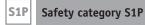




	Sue
Article no.	3211
Size	35-42
Page	54
<b>(A) (S)</b>	*



	0	ptimus Blue
	Article no.	5201
-	Size	38-48
	Page	10
121	<u>@</u>	<b>335</b>





	Scarlett
Article no.	3311
Size	36-42
Page	56
	(3)

## S1P Safety category S1P



	Rene2
Article no.	72112
Size	36-50
Page	15
	553



Article no.	74112
Size	36-48
Page	15
<u>@</u> 🔗	<b>99</b>

Rico2



	naiuy
Article no.	7227 N/XW
Size	36-50
Page	20
<b>A A</b>	es es es 🗑



	Jens
Article no.	7531
Size	38-48
Page	27
<b>(2)</b>	8



	306
Article no.	7533
Size	38-48
Page	28
	5



	Jack
Article no.	7535
Size	38-48
Page	28
	5



	Pit
Article no.	7013
Size	38-50
Page	32
<b>A</b>	8



	пешу
Article no.	8424
Size	37-48
Page	36
	-



	Sina
Article no.	3215
Size	35-42
Page	55
<u>(4)</u>	5



	Silvy
Article no.	3425
Size	36-42
Page	56
	8



Optimus Stone	
Article no.	5212
Size	38-48
Page	10
<b>(4)</b>	5553



	пенк
Article no.	7007 N/XW
Size	36-50
Page	20
	555¥



	Rick2
Article no.	71462
Size	36-50
Page	14
<b>A C</b>	600 600 W



	Ron2
Article no.	71472
Size	36-48
Page	14
	5 5 4



	Red
Article no.	71502
Size	36-48
Page	16
<b>A A</b>	22 22 W



	Reeny
Article no.	71522
Size	36-48
Page	16
	5 5 4



<u> </u>	**
Page	26
Size	38-48
Article no.	7540

Jogi



	Joini
Article no.	7542
Size	38-48
Page	26
<u>@</u> @	5



	Jerry
Article no.	7547
Size	39-48
Page	29
<u> </u>	(5)



	Jim
Article no.	7548
Size	38-48
Page	29
<b>(A) (C)</b>	8



	Paul
Article no.	7003
Size	38-50
Page	32
(A) (C)	6

# Art Siz Pag

	Hugo
Article no.	8724
Size	35-48
Page	36
	5



	Hendrik
Article no.	7337 N/XW
Size	36-50
Page	21
A (2)	8884



**S**3

	Sally
Article no.	3216
Size	35-42
Page	54
	5

Safety category S3

#### S3 Safety category S3



		Harris
Articl	e no.	7214 N/XW
Size		36-50
Page		22
A 6	<u>.</u>	888



	Rob2
Article no.	73442
Size	36-50
Page	17
<u>a</u>	553



	Peter
Article no.	7204
Size	38-50
Page	33
<u>@</u> @	5



	нетко
Article no.	8034
Size	37-48
Page	37
	-



	Bill
Article no.	6352
Size	39-47
Page	44



	Ben
Article no.	6353
Size	38-48
Page	45
	5



	Andy
Article no.	2240
Size	38-48
Page	43



	beit
Article no.	8334
Size	37-48
Page	42
	Š



	Rop
Article no.	6383
Size	39-47
Page	40
	5



	Darney
Article no.	6384
Size	39-48
Page	41
	-



	Bruce
Article no.	6390
Size	38-48
Page	46
-	5



	Harrison
Article no.	7316 N/XW
Size	36-50
Page	22
<u>@</u> 🔗	5553



	Robert2
Article no.	73742
Size	36-48
Page	17
<b>A A</b>	



	Philipp
Article no.	7304
Size	38-50
Page	33
<b>A</b>	



	Heinrich
Article no.	8234
Size	37-48
Page	37
0	5



	BIG BILL
Article no.	6652
Size	39-47
Page	44
	- 10



	Big Ben
Article no.	6653
Size	38-48
Page	45
	5



	Andrew
Article no.	2340
Size	38-48
Page	43
	-



	Big Bert
Article no.	8634
Size	37-48
Page	42
<i>P</i>	



	Big Bob
Article no.	6683
Size	39-47
Page	40
	6



	Big Barney
Article no.	6684
Size	39-48
Page	41
<b>e</b>	5



	Big Bruce
Article no.	6690
Size	38-48
Page	46
<u></u>	Š



	Magnus
Article no.	8514
Size	38-48
Page	50
	5



1	Aagnus-Profi
Article no.	8524
Size	38-48
Page	51
<u> </u>	5







Fußgerechte Sicherheit

BAAK GmbH & Co. KG Hubertusstraße 3 DE-47638 Straelen www.baak.de/en