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## Optimum protection and communication at work

Many working conditions require hearing protection. This restricts the possibility of listening to music, makes communication more difficult and can result in phones being answered late or not at all. With a 3M™ Peltor™ WS Workstyle headset you are in control of your options.

The Workstyle headsets tick all the boxes: Effective hearing protection including superior radio and MP3 player sound, with a feature that turns the music off automatically if the phone rings. Comfortable for the user and highly efficient at work, the radio headsets in the Peltor Workstyle series have been designed for industrial and outdoor environments.

### Bluetooth technology

With the unique Bluetooth technology, the new WS Workstyle headset offers an extensive and comfortable solution. The user simply decides what they do and don't want to hear. You can listen to your favourite music from a podcast or radio station, without missing telephone calls or anything your colleagues might be saying—if the phone rings, the music switches off automatically. Thanks to the built-in microphone that distinguishes

between speech and noise, you can have a phone conversation even in noisy environments and, once the phone conversation has ended, the music restarts.

### Attenuation level

The headset has an attenuation level of 26 dB. A surround microphone processes external sounds at ultra high speed before they reach your ear — weak sounds are amplified while noise, including sudden loud noise, is filtered out. With the WS Workstyle it is easy for you to set ambient noise, mobile phone and music at different audio levels while enjoying continuous and effective hearing protection.



**PELTOR**

## When does hearing loss occur?

**0–70 dB(A):** from total silence to the spoken word. No hearing loss expected

**80 dB(A):** lawnmowers and light machinery. Daily exposure causes slight hearing loss, protection recommended

**84 dB(A):** lawnmowers and machinery. Daily exposure causes medium to serious hearing loss, protection required

**94 dB(A):** heavier machinery. Daily exposure causes medium to serious hearing loss, be extra meticulous about wearing hearing protection

**104 dB(A):** heavy machinery, riveting hammers. Short exposure can cause permanent hearing loss

**120–140 dB(A):** jet aircraft taking off

**130–140 dB(A):** pain threshold

### Frequencies

The models in the Peltor WS Bluetooth series are suitable for RNR (Recommended Noise Rating) 94–105 dB(A). In this range, the allowable noise level is exceeded and hearing protection is obligatory. The models are highly suitable for high and medium sound frequencies.

**MT53H7AWS2**    **S N R = 3 1 d B**  
H=32dB    M=29dB    L=20dB

**MT53H7BWS2**    **S N R = 3 1 d B**  
H=32dB    M=29dB    L=20dB

**MT53H7P3EWS2**    **S N R = 3 0 d B**  
H=33dB    M=28dB    L=20dB

find out more at [www.kramp.com](http://www.kramp.com)

# Kneel safely with FENTO

**FENTO has developed two models of knee protector that are both durable and comfortable, the 400 and the 200 series. Both models offer the ultimate solution for preventing painful knees, feet and back.**

The FENTO 400 knee protector was developed for optimum support and protection while the slightly shorter 200 model maximises the freedom of movement for the wearer. Both models relieve the knees, feet and back with the supporting and cushioning properties of both gel foam and bonded foam in the FENTO knee protectors. Strong elastic straps with Velcro attach the knee protector comfortably to the lower leg. The wide elastic strap sits around the calf and does not catch in the hollow of the knee, staying in position on the lower leg while you work and when you walk. The knee protectors have a durable outer layer making them suitable for every kind of ground. FENTO also recently developed a new pair of trousers with breathable properties, which for the first time incorporates a knee protector with support for the lower leg.

### Comfort by distributing pressure

The principle behind the FENTO knee protector is simple, it provides comfort by distributing the pressure. A moisture absorbing inlay supports the lower leg and

encourages the user to assume the correct posture. The new knee protector also allows for comfortable sitting and prevents further physical complaints. The outer layer is made of durable polyethylene, which is both flexible and watertight. The FENTO 200 knee protector is light at 250 grams, making it comfortable for sitting as well as during walking, while the 400 model gives full support to the lower leg and weighs 370 grams.

### Protective cover

For maximum protection, a protective cover is available that prevents dirt, sand or gravel from coming between the knee protector and the knee. The cover is attached separately and is available to purchase as an accessory.



Model	FENTO 400	FENTO 200
Support	+++++	++++
Freedom of movement	+++	+++++
Durability	++++	++++
Protection	+++++	++++
Walking comfort	+++	+++++
Material	Polyurethane	Polyurethane
Dimensions	42 x 19 x 10 cm	29 x 18 x 8 cm
Weight	370 grams	250 grams
Attachment	2 sets of elastic straps	1 set of elastic straps
Guarantee	3 months	3 months



## Dunlop Purofort: comfortable, protective and durable



**Comfort and safety are of vital importance to work in agriculture. The same applies to boots, which are often worn all day long. One thing is certain, at the end of the day, the wearer does not want to have tired, cold or wet feet.**

Dunlop's Purofort line is a series of boots that has been carefully matched to the needs and requirements of agriculture.

Purofort's unique technology gives the

boots the following typical features:

- up to 35% lighter than conventional boots
- flexibility and pliability, even at low temperatures
- optimum warmth insulation (down to at least -20 degrees Celsius)
- shock resistance

### Comfortable

Dunlop boots are known for their perfect fit, and the flexible waist allows you to pull them on and off easily. The fit around the ankle is good and the insole provides stable support for the foot. Soft materials are used to make the boots and the thick soles are capable of absorbing many types of shock. Insulation against the cold is important because work must continue in all kinds of conditions, and the Purofort boots offer excellent thermal insulation, ensuring warm feet in the winter and cool feet in the summer.

### Extra protection

Good protection is important when you wear boots. This is why many Dunlop models are also available in the S5 class with extra protection from a steel toecap and steel shank, which prevent injury from falling objects and penetration by sharp objects. All the boots in the Purofort assortment are resistant to oil and manure, as well as being hardwearing and tear resistant. This means Purofort boots are not only safer and more comfortable, but they also last longer than conventional polyurethane boots.



SIP® Protection clothing can immobilise or slow down the chain of the chainsaw if the correct protection class is chosen

## Choose the right chainsaw clothing

**Working with a chainsaw is a risky activity. SIP is a supplier of protective clothing that complies with standards and can significantly reduce the seriousness of an accident with a chainsaw. But which protection class should you choose for which situations, and what are the other factors that determine your choice? Kramp Expert explains.**

SIP® Protection clothing is able to immobilise or slow down the chain of a chainsaw. The products satisfy the stringent European EN 381 standards and their composition makes them light,

comfortable and easy to maintain. Deciding what the best choice is, for instance type A or type C trousers or a jacket with or without chainsaw protection in class 1 or 2, depends to a great extent on the type of work being done with the chainsaw — after all, the clothing should be comfortable to wear as well as protective.

### Technical factors

There are three factors involved in choosing the right protection class. These three factors together determine what you should choose:

- the speed of your machine (class 0: 16m/s, class 1: 20m/s, class 2: 24m/s, class 3: 28m/s)
- the diameter of the drive wheel in your machine
- the user's knowledge of and experience with the chainsaw

### Maintenance

Once the type of clothing has been selected, the maintenance of the protective clothing is of vital importance. Research has shown that contamination from resin, residual oil or fuel on the material can have a detrimental effect on how well the safety clothing functions. Likewise, the number of times the clothing is washed can adversely affect the effectiveness of the protective layer against cuts. Always properly adhere to the washing and maintenance instructions to ensure that the protective effect of the safety clothing remains as high as possible. Has the chainsaw clothing perhaps been damaged? Check whether just the outer layer of material has been damaged, or if there are any scorched spots and where the damage is precisely.

## ONLINE

### North: Optimum eye protection

Work safely with high quality North safety glasses: The North product range includes models for all industries and almost all tasks that require eye protection to be worn. All of the glasses have either a scratch resistant coating or the unique North 4A coating, which meets the additional requirements of the EN166 standard (symbol K for resistance to surface deterioration and symbol N for resistance to steam) on both sides of the lenses. The products are manufactured from high quality materials such as scratch resistant polymer, polycarbonate, cellulose propionate and hardened mineral glass, with the following types of lens available:

- **"Clear"** (for indoor and outdoor use, protection against impact)
- **"Amber"** (for poor lighting conditions, increasing contrast)
- **"Smoke, Blue Smoke Mirror, Gold Smoke Mirror"** (for outdoor use, sun and glare protection)
- **"Indoor/outdoor areas"** (for switching between indoor and outdoor use, working under artificial overhead lighting)

In addition to the optimum eye protection they provide, North safety glasses are also characterised by a comfortable, perfect fit and a modern design.

## Welding protection shield for all conditions

**Are you ready for the future in welding protection? The latest generation of Speedglas 9100 Welding shields has now been expanded with welding shields that are ideal for every kind of situation. The Speedglas 9100 FX series is also available as a complete system with the 3M™ Adflo™ powered respiratory protection and the 3M™ Fresh-air™ C respirator.**

The Speedglas 9100 FX Welding shield has a 'flip-up' function. During preparatory work or grinding, the welding filter can simply be flipped up, leaving the welder with a large protective shield - 17 x 10cm, with an unrivalled wide view of the welding work and

the working environment. In the entirely new design, the filter stays close above the cover, ensuring good balance and easier handling in confined spaces. These features offer a great deal of comfort and safety to the welder. The 9100 FX shields are equipped with the highest quality welding filters and the ergonomic headband of the Speedglas 9100 Welding shields.

### Fresh air

The Speedglas 9100 FX Air Welding shields combine all the features of the 9100 FX shield with respiratory protection. There are complete systems with the 3M Adflo powered units and, from the spring, systems with the

Fresh-Air C respirator will be available. The respirator hoses come with the unique 3M QRS quick release 'turn and click' connection and are attached to the headband so the hose does not pull as much on the shield. There is something else that is unique to Speedglas: the designers listened to welders to improve comfort.



## Know your classes

There is a reason that safety footwear is called safety footwear. A good safety shoe satisfies the standards set in EN ISO 20345, providing the wearer with a choice of different levels of protection that are represented by the range of S classes.

**SB** (Safety Base) is the basic shoe which has a steel toe. Further specifications are: the height of the upper material, the type of upper material that must be at least leather or a similar synthetic material and the presence of an inner lining. The sole may be made of any material and may be smooth, and the upper material may be open for low shoes.

**S1** starts with the basic shoe and adds the following requirements: closed heel, antistatic, shock absorption in the heel and a sole that is resistant to hydrocarbons. S1P is not a separate safety class but is quite common, and it adds an anti-perforation sole to the specification.

**S2** is the basic shoe with the following extras: closed heel, antistatic, shock absorption in the heel, resistant to water penetration and water absorption

**S3** is the basic shoe with the following extras: closed heel, antistatic, shock absorption in the heel, resistant to water penetration and water absorption, sole penetration resistance, cleated outer sole

## Bekina rewards feet

The new Bekina Steplite X boot is 40% lighter than rubber or PVC boots, so even with their safety toe these boots are a delight for your tired feet. Farmers wear their boots for hours on end in our damp, mild climate, so comfort is a priority. The thermo-insulating properties of the Bekina Steplite X keep the feet cool in the summer and warm in the winter. An excellent price quality ratio is likewise one of the features of the Steplite X boot. The characteristic feather light air bubble structure lasts 3 to 4 times longer than rubber or PVC, and polyurethane is resistant to oils, grease and manure. The extra slip resistant Steplite X boots (with or without additional safety features) are supplied with shock absorbing and moisture absorbing inlay soles. They have a wider fitting range and a self cleaning sole profile.



## More grip in oily or damp conditions

Better grip is the main thing that people who use workgloves in oily conditions want, so North has developed a new coating technology for the surface of the gloves to meet this need. This surface provides maximum grip with the minimum of effort in various damp or oily conditions.

The North Oil Grip safety glove has the MicroFinish® coating to thank for its excellent grip capabilities. Microfinish is a soft and flexible compound filled with thousands of microscopic pockets. As soon as these pockets contact the surface, they create a vacuum that disperses liquids and other materials. The result is a dry, exceptional grip on the surface when used in oily and damp conditions and this improved grip also reduces the risk of objects falling by accident.

Other features include comfortable to wear due to the seamless polyester cotton knit, available in 5 sizes, high sensitivity thanks to the thin supporting fabric and the soft Nitrile coating.

