

NO SAFETY, KNOW PAIN...
KNOW SAFETY, NO PAIN.

PROTECTIVE HEADWEAR



PROTECTIVE HEADWEAR

ProChoice hard hats offer protection that is tested and certified and comes in a selection of colours, styles and adjustments that will suit every application. The ProChoice range of head protection is designed to integrate with genuine ProChoice accessories such as attachable face shields, hearing protection and sun shields.

To identify individuals, job positions or add company logos, ProChoice offers a range of pad printing and vinyl printing options for hard hats.

What is a certified hard hat?

A hard hat is a protective helmet approved for use in a workplace to protect the head from injury by falling objects, impact with other objects, debris, bad weather and electric shock.

A hard hat is equipped with internal webbing that spreads the weight of the helmet (and therefore the shock of impact) evenly over the entire area of the helmet and top of the head. The internal harness also provides a 30 mm "buffer zone" between the shell and the head that will reduce the likelihood of impact from a falling object being transferred to the skull.

Features of hard hats can include a choice of shapes, ventilation, colours, adjustments and accessories.

ProChoice Hard Hats meet Australian standards. They are:

- AS/NZS 1801:1997 Occupational protective helmets and;
- AS/NZS 1800:1998 Occupational protective helmets - Selection, care and use

The objective of this Standard is to specify protective helmets that are to be worn in a variety of occupations, in order to reduce the severity of head injury from hazards associated with such activities.



A HEAD INJURY IS NOT SOMETHING THAT CAN HAPPEN, IT DOES HAPPEN!



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How does a hard hat protect you?

A hard hat protects you by providing the following features:

- A rigid shell that resists and deflects blows to the head;
- A suspension system inside the hat that acts as a shock absorber;
- If fitted with a brow guard, it shields your scalp, face, neck and shoulders from splashes, spills and drips;
- If fitted with ear muffs, it provides protection for your hearing.



What Standards do ProChoice hard hats meet?

Every ProChoice helmet or hard hat is tested and certified to AS/NZS1801 so it meets the needs of industry in Australia.

This Standard has specific requirements for protective helmets to protect the wearer's head from falling objects and debris in the workplace and reduce the risk of injury.

The Standard specifies requirements for the construction and materials of the helmet shell and head harness, mechanical strength of the shell and finish of the helmet.

What tests do the hard hats undergo to meet these Standards?

Every production run of ProChoice helmets is tested to ensure it complies with the Australian Standard AS/NZS1801.

Hard hats are conditioned prior to each test to differing heats and conditions to ensure that they comply under a variety of conditions. These are:

- Hot - at a temperature of $50 \pm 2^\circ\text{C}$.
- Cold - at a temperature of $-10 \pm 2^\circ\text{C}$.
- Wet - total immersion in water at a temperature of $23 \pm 5^\circ\text{C}$.

They then undergo testing for:

- **Electrical Resistance** – where the leakage current cannot exceed 3 mA with no electrical discharge from the material nor flashover over the rim of the helmet.
- **Stiffness** – where the indent of the hard hat shell under a force of 90 ± 1 Newtons (N) does not exceed 15 mm when measured between 8 seconds and 10 seconds after application of this force. A Newton is the amount of force required to accelerate a body with a mass of one kilogram at a rate of one metre per second squared.
- **Shock Absorption** – where the impact of 50 ± 1 Joules (J) will not cause the deceleration of the striker to exceed 980 m/s^2 , or the force transmitted to the hard hat wearer will not exceed 5.0 kN. A Joule is the work done, or energy expended, by a force of one Newton moving an object one metre along the direction of the force.
- **Resistance to Penetration** – where the head form is not hit by the point of the striker.

What is the in-use life span of a hard hat?

When a hard hat shows signs of wear and tear to either the helmet shell and the harness it should be replaced. It should also be replaced after any impact that would have caused the wearer injury, as the integrity of the structure will have been weakened. Although there is no set service life for hard hats, we recommend replacement after no more than 5 years.

In-use, head protection gear is generally treated with a lack of care, often being thrown or dropped, used as a receptacle or carried on the rear window shelf of a vehicle. None of these actions are conducive to continued performance so ProChoice recommend users to regularly inspect both the helmet shell and its harness for signs of wear and tear and to store in a cool, dry place when not in use.

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Replace your hard hat when:

- Cracks appear in the shell
- The shiny surface appears dull or chalky
- The shell becomes brittle
- Impact with helmet surface has been made

Replace your suspension when:

- The suspension becomes brittle
- One or more of the mounts break off
- The suspension will no longer hold securely to the head
- The cradling straps break or become worn

Date stamp? Is that like a “best before” date?

No, we are required by the Australian Standards to mark each helmet with the month and year of manufacture. This should not be used as a basis for determining the life of an industrial safety helmet.

What is the importance of the harness, apart from fitting the hard hat to the head?

The harness works by stretching, which absorbs and distributes the force of the energy at impact, thus minimising the effect of the outside force. ProChoice has the patented ProLink anchorage design to connect the inside webbing which significantly improves shock absorption.

Hard hats should be replaced after experiencing an impact as the harness may be weakened.

Can the effectiveness of a hard hat be affected by modifications such as drilling holes for ventilation or to secure a light?

Yes, the design of the hard hat is to give maximum protection at minimum weight. This is achieved by the ridging and moulding of the helmet shape. Any interference to the design will weaken the structure.

Will the addition of chin straps, visors or ear muffs affect the effectiveness of the hard hat?

ProChoice accessories such as chinstraps, ear muffs and visors have been designed to complement the ProChoice hard hats without compromising the effectiveness of the helmet. Official ProChoice accessories have been tested and certified by Australian Standards to meet their stringent criteria, when worn with ProChoice Hard Hats.

Can I use the chin strap off helmets supplied by a different company?

This is not recommended.

Chin straps are not tested under AS/NZS 1801 for Type 1 helmets but in order to provide the best quality product, ProChoice Chin Straps are tested and certified by BSI against European Standard EN397:1995 Industrial Safety Helmet.

Under the European Standard requirement, it became necessary for the chin strap to break when a specific load is applied. A ProChoice chin strap may break in a different manner to another company's so it is recommended that you should only use a ProChoice chin strap on a ProChoice helmet.

Can a hard hat be painted?

No. The addition of paint or other chemical compounds may alter the structural and protective effectiveness of the hard hat. The ProChoice range comes in a series of colours to suit the varying requirements of workplaces.

What is ProLock?

ProLock is a patented, unique easy adjustment harness system for ProChoice hard hats which also incorporates the ProLink anchorage system.

It removes the frustration and guess work out of properly fitting a hard hat. A comfortable and safe fit is achieved without having to remove the hard hat. ProChoice hard hats are also available in the more traditional PinLock adjustment system.



What is ProLink?

The ProLink anchorage system is used to connect the inside harness webbing to the hard hat and significantly improves shock absorption and the effectiveness of the hard hat. This feature is exclusive to ProChoice hard hats.



It's also important to remember the other types of head hazards that can be encountered while working such as:

- Sunburn;
- Particles and chemical spray injuries and;
- Loud or persistent noise.

ProChoice supplies products that protect against all these hazards in their head protection range, often in combination, such as browguards, face shields, sun flaps and ear muffs that fit with the ProChoice hard hats.

The ProChoice range of hard hats and accessories has been designed and manufactured for our tough Australian working conditions.



The need to distinguish workers in various occupations on a work site can be for safety or convenience. For example, having a safety officer readily identified by the colour of their hard hat can improve efficiencies; while being aware of who is a visitor or sub-contractor can improve security.

To further enhance these advantages, ProChoice now offers a pad printing and a vinyl printing service that can customise hard hats – before a customer takes delivery.

Neither Pad nor Vinyl printing services will interfere with the chemical or structural integrity of the materials used in the hard hat construction.

Vinyl cut print provides a cost effective way to personalise hard hats.



Vinyl cut print means no size restrictions

PAD PRINTING OPTION

Our pad printing service can be used to print company logos on the front and back of any ProChoice hard hat, in up to five colours, and provides a cost effective and long lasting solution to meeting nearly every possible logo.

Additionally, a one colour print option is also available for the side panels of ProChoice hard hats, allowing further customization to identify roles or specific project names.

The ready identification of personnel by name, position or title can greatly improve efficiency, safety and security on a work site.



Pad print allows up to a maximum of 5 spot colour reproduction within a dimension of up to 50 x 50mm on the front of hard hats.



VINYL CUT PRINTING OPTION

ProChoice also offers a vinyl cut printing service for hard hats. This option allows for further customization of hard hats without restrictions to the size of the lettering, and allows customers to have names, logos, or lettering in any position on their hard hats.

To take advantage of our printing options, the process is simple.

Vinyl lettering is generally only available in one colour, although in certain circumstances more colours may be included.

When you place your order for customized, printed hard hats, send us your artwork and we will place on an approval form and return for you to sign-off before we print. We even offer a redraw service for logos for customers who do not have their logo in the required format.

Once approved, the order is delivered as per your instructions.

Speak to your ProChoice sales representative about adding value to your hard hat sales by utilizing our pad printing or vinyl cut print service.

They'll be more than happy to run through your requirements in order to suggest the best option for both an economical and professional finish for your team.

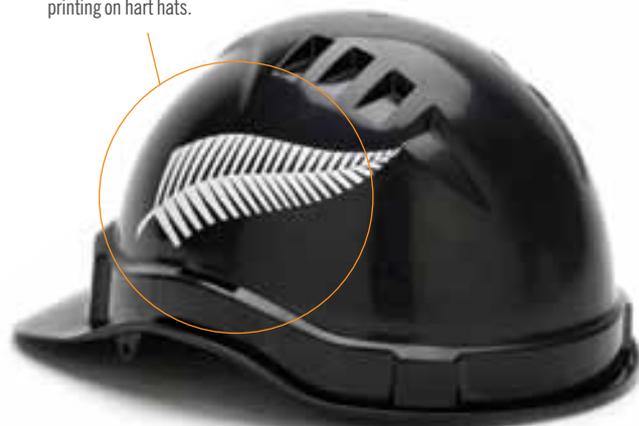


Rear print dimensions allow up to a width of 50mm and a height of 40mm.

Side print dimensions extend to a width of 70mm and a height of 20mm.



Vinyl cut printing allows unlimited restrictions to size and position of printing on hard hats.





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Take advantage of our Pad or Vinyl Cut Printing Service to enhance your product selection. See page 6 for full details



AS/NZS 1801
Lic 20500



HH6

Unvented Hard Hats

- Lightweight, colour range of unvented hard hats
- Individually packaged
- Colours can be assigned to location, job or industry
- 6 point ProLock harness
- Cotton sweatband prevents perspiration
- Extended peak for added protection and an edge gutter to catch and deflect rain
- Sold Individually
- Qty/Carton – 20

Colours Available



AS/NZS 1801
Lic 20500



HHH

ProLock Harness

- 6 point harness to suit ProChoice hard hat models HHV6 and HH6
- Lightweight replacement harness
- Cost effective solution - change harness only
- Sold Individually
- Qty/Carton - 50



HHCS

Hard Hat Chin Strap

- Adjustable hard hat chin strap
- Keeps hard hat in place in active situations
- Comfy elastic material
- Sold Individually
- Qty/Pack - 5
- Qty/Carton - 50



AS/NZS 1801
Lic 20500



HHV6

Vented Hard Hats

- Lightweight, colour range of vented hard hats
- Individually packaged
- Colours can be assigned to location, job or industry
- 6 point ProLock harness
- Air vents and cotton sweatband prevents perspiration build-up, extended peak for added protection and an edge gutter to catch and deflect rain
- Sold Individually
- Qty/Carton – 20

Colours Available



HHSB

Cotton Sweatband

- ProChoice cotton sweatband to suit HHV6 and HH6 hard hats
- Replaceable for hygiene and comfort
- Qty/Pack - 5
- Qty/Carton - 200



BCB

Bump Cap

- 65% cotton / 35% polyester baseball style cap
- Foam padded insert protects against bumps and scrapes
- Eyelet holes for ventilation and comfort
- Lightweight
- Full adjustable to allow a perfect fit
- One size fits all
- Complies to EN812 - Industrial bump cap standards
- Sold Individually
- Qty/Carton - 50



AS/NZS 1270:2002
Lic 20580



PHHV6

Vented Hard Hat with PinLock Harness

- lightweight, colour range of vented hard hats with pin lock harness
- Individually packaged
- Colours can be assigned to location, job or industry
- Cotton sweatband prevents perspiration build-up, extended peak for added protection and an edge gutter to catch and deflect rain
- Sold Individually
- Qty/Carton – 20

Colours Available



HHBGE

Hard Hat Brow Guard

- Lightweight guard will accommodate ProChoice Visors - V C, VS, VS5 and VM
- Fitted with QuickLock clips
- Sold Individually
- Qty/Carton - 10



AS/NZS 1270:2002
Lic 20580



HHEM

Viper® Hard Hat Earmuffs

- Class 5, SLC₅₀26dB
- To suit all ProChoice hard hats
- Hearing protection for noise levels to 110dB(A)
- Solid, lightweight ear cup construction
- High quality ear cushions
- Inner foam and soft cushions provide comfort during extended wear
- Low clamping force applies minimum pressure while maintaining a tight, snug seal
- Sold Individually
- Qty/Carton - 25



PROTECTIVE HEADWEAR



HHPB

Hard Hat Plastic Brim

- UV stabilised plastic, removable and washable neck flap
- Holds shape in hot and wet climates
- Sold Individually
- Qty/Carton - 12

Colours Available



White Orange Blue Green



HHB

Detachable Hard Hat Brim

- Durable cotton
- Excellent sun protection with neck flap
- Sold Individually
- Qty/Carton - 50

Colours Available



White Orange Blue Green Fluoro Yellow



CSH

Polyester/Cotton Sun Hat

- Wide and protective brim
- Adjustable chin strap
- Sizes: S = 55cm, M = 57cm, L = 59cm, XL = 61cm
- Sold Individually
- Qty/Carton - 12

Colours Available



White Navy Blue Green



HHRTS

Hard Hat Reflective Tape Straight

- High performance Retro- reflective silver tape, 25mm
- Designed to work on HHV6 and HH6 hard hats
- Hi Visibility regardless of angle
- Straight finish
- Tested to standards AS/NZS 1801:3.2.5
- Qty/Pack- 10



HHRTC

Hard Hat Reflective Tape Curved

- High performance Retro- reflective silver tape, 25mm
- Designed to work on HHV6 and HH6 hard hats
- Hi Visibility regardless of angle
- Curved finish
- Tested to standards AS/NZS 1801:3.2.5
- Qty/Pack- 10

ProChoice Hard Hat Reflective Tape Fit Configurations

Added Extras

Reflective Strips for Hard Hats

Further enhance the night visibility of ProChoice Hard Hats with the addition of self-adhesive reflective strips in a choice of straight or curved. Suitable for any hard hat surface.

Suggested Configuration

A high quality retro-reflective silver tape provides increased visibility in any low light work environment. Straight and curved options provide multiple configuration set-ups.

