



Protector

TECHNICAL DATASHEET

**BPHC43 SERIES
SAFETY HELMET**



DESCRIPTION

The Australian made Protector HC43 series ABS safety helmet (Type 1) with comfortable 6 point terylene head harness is designed to deflect falling objects and provide protection against heat, knocks and bumps.

The helmet consists of a shell and a suspension system called a harness. The shell provides the impact protection by deflecting, whilst the harness absorbs the shock and load. The transmission of force is dissipated through the shell, harness by stretching and directs it

down through the body to the ground. The six point harness provides the cushioning by stretching and spreading the load evenly over the protected area. The 25mm wide webbing maximises the surface area contact with the wearer's head and enhances stability/security of the safety helmet.

The area between the shell and harness is the shock absorption zone and should not be treated as a storage location when worn.

APPLICATIONS

Suitable for general use in industry for protection of the upper part of the wearers head.

The HC43 series safety helmet has been designed to meet the requirements of AS/NZS 1801 for shock absorption, resistance to penetration, lateral stiffness,


ignition by flame and electrical insulation (electrical hazards up to 650V) when tested in the Hot (50°C), Cold (-5°C) and Wet conditions.

Type 1 industrial safety helmets are suitable for general industry including construction, mining, forestry, heavy engineering and resource drilling.

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TECHNICAL SPECIFICATIONS

HC43	
	
Shell Material	Injection moulded ABS (plastic)
Venting	Unvented
Harness Cradle	25mm Nylon webbing 6 point
Weight	330g (weights differ with colours)
Harness Segments	Injection moulded HDPE (High Density Polyethylene)
Brim Length	N/A
Adjustment Range	50 - 66 cm
Harness Headband	Injection moulded LDPE (Low Density Polyethylene)
Harness Sweatband	Foam backed Terry Towelling (alternative: Lambswool)
Shell Colours	White, Yellow, Red, Orange, Blue, Green, Grey, Watermelon, Fluoro Yellow, Fluoro Orange

APPROVAL INFORMATION

The Protector HC43 Series is certified to AS/NZS 1801:1997 Type 1 ABS, for general industrial use.

Various Protector brand PPE combinations are Certified (including manufacturer's certified accessories) to Australian/ New Zealand standards.

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TYPES OF SAFETY HELMETS

The scope of AS/NZS 1801:1997 standard specifies requirement for occupational protective helmets to protect wearers heads from falling objects in building and construction, quarrying, shipbuilding, forestry, and other occupations with similar hazards. These requirements include the construction and materials of the helmet shell and head harness, mechanical strength of the shell and finish of the helmet.

In compliance with the standards objectives to specify protective helmets that are worn in a variety of occupations. Protector brand safety helmets are classified into three types:

TECHNICAL SPECIFICATIONS

TYPE	SAFETY HELMET
Type 1	General industrial safety helmets
Type 2	Helmets intended for high temperature workplaces
Type 3	Helmets intended for bushfire fighting

MARKINGS & WORKING LIFE OF SAFETY HELMETS

Markings on safety helmets are a requirement for certification. It assists users in identifying their intended use. The shell is moulded with very important information stamped on the peak and you should familiarise yourself with the significance of this labelling.

Australian/New Zealand Standards AS/NZS 1801:1997 is an excellent reference document and provides assistance.

Every Protector brand safety helmet has an issue date sticker on the inside of the shell for wearers to record their name and date of issue. Three years hence remove the helmet from use or earlier if the helmet has changed in colour, exhibits any signs of wear or damage due to impact or deterioration. (AS/NZS 1800:1998 3.4).

If the sticker has not been used or removed, replace the helmet three years from the manufacture date stamp under the brim or peak of the helmet. In the centre of the stamp is the year with a directional arrow pointing to the month of the year in which the helmet was made.

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COMPATIBILITY CHART

The range of Protector safety helmets are compatible with Protector brand hearing, eye and face protection. Various Protector brand PPE combinations are Certified (including manufacturer's Certified accessories) to Australian/New Zealand Standards

	CAP ATTACH EARMUFF	BALACLAVA	CHINSTRAP	SWEATBAND	WIDE BRIM/ NECKFLAP	HARNESS
HC43	X	●	●	●	●	●
		TA179	HXCSU	HXTTSB		HXHG43RH
				Terry		Ratchet
				Towelling		HXHG43
				HXSBW		Pinlock
				Lambswool		

- Certified

Note: The above provides a guide only. Please refer to Scott Safety for the comprehensive compatibility listing.

CUSTOMISATION & INTEGRITY

Scott Safety's corporate branding and reflective tape options are available across the range of Australian made Protector brand safety helmets to create and maintain company image and visibility on site.

Scott Safety's Australian made Protector brand safety helmets are manufactured under an independently audited scheme to ISO9001. The Protector Safety Helmets are licensed and manufactured to AS/NZS 1801:1997.

Scott Safety's logo printing and application of reflective tape to Protector brand safety helmets does not affect the integrity of the Safety Helmet.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
HC43	HC43 Series Safety Helmet ABS (Type 1)

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MAINTENANCE/CLEANING

The safety helmet should be kept in good condition and cleaned regularly using warm water and/or a mild detergent only. A brush can be used to remove stubborn marks from the shell. Prior to washing, the harness should be removed from the shell to facilitate cleaning. The use of solvents, very hot water or harsh abrasives is not recommended.

Worn or damaged headgear parts should be replaced immediately and damaged shells (splits, cracks, dents or excessive abrasion, discolouration or weathering of the shell surface) should be discarded.

Accessories must be OEM components and never use a makeshift chinstrap. A chinstrap whilst a simple component is designed to meet specific breaking loads. This is to prevent serious accidents from occurring.

WORKING LIFE

All information pertaining to selection, care and use is available in AS/NZS 1800:1998. Based upon industrial field tests Australian and New Zealand standards recommends, in general terms, an industrial safety helmet should be replaced every three years from date of issue, and the harness should be replaced every 2 years. Harsh conditions and/or rough usage dictate that a helmet may be replaced sooner.

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STORAGE

Storage is part of ongoing care and maintenance but is so often overlooked. Care should be taken to ensure your safety helmet, when not in use, is stored appropriately and not exposed to possible damage.

Refrain from leaving it sitting near the rear window of a car as it is exposed to intensified heat, sunlight and becomes a flying projectile in the event of a car accident or sudden braking.

DISPOSAL

Most components of this assemble can be recycled. Recycle symbols are present on both the shell and harness assemblies. If the product is to be disposed of, it should be disassembled and disposed of as solid waste. Please see local authority regulations for disposal advice and locations.