

# 3M™ FirstBase 3 Bump Cap

## Technical Data Sheet

### Description

The 3M™ FirstBase 3 is the third generation of 3M™'s pioneering baseball style bump protection cap, designed and approved in accordance with EN812 including A1. FirstBase 3 has been designed in partnership with some of the world's leading companies to deliver the perfect balance of comfort, protection and style; promoting the highest degree of wearer acceptance. The range encompasses a choice of two cap styles Classic and Elite, each offering different specifications to suit many requirements.

### Features

- Available in assorted colours and peak lengths
- Fashionable and lightweight providing high wearer acceptance
- Unique perforated vented shell with comfort pad
- Contoured over the ears improves compatibility with other PPE
- Machine washable fabric caps
- CE approved to EN812:A1
- Protects the head from knocks, bumps and scalp lacerations
- Must not be used for mandatory safety helmet applications
- Hi-vis options available
- 52 – 65cm head size

### Applications

The FirstBase 3 bump cap range is designed to provide protection against the effects of striking the head against hard, stationary objects which can cause lacerations or other superficial injuries. Bump caps are not intended to provide protection against the effects of falling or thrown objects or suspended loads and does not offer the same protection level as an industrial safety helmet as specified in AS/NZS1801:1997. Typical applications and environments that utilise baseball style bump protection include manufacture and maintenance in the aerospace, automotive and facilities maintenance sectors, transportation and logistics workers, tradesmen working in environments without the risk of falling objects and government institutions such as the Police.



### Colour Fastness

Colour fastness is a measure of how permanent a colour is on fabric. Generally the main causes of fabric fade are from washing and light degradation. When evaluating all forms of colour change a scale of 1-8 is used, '1' indicates very low colour fastness (maximum colour change) and '8' indicates very high light fastness (minimum colour change). All Firstbase 3 fabrics have been tested for colour fastness against ISO 105 and have received overall colour fastness ratings of a level 4. These ratings are in line with globally accepted colour fastness ratings for apparel in Europe, US, Canada, Australia and Japan, which require a rating of 3-4.

## Compliance Statement

3M™ works very closely with its core suppliers and appreciates that our customers need to be assured that no prohibited materials are being used in the production of our Firstbase 3 bump caps. All materials used in the manufacture of the fabrics have been registered with REACH. REACH is a new European Community Regulation on chemicals and their safe use (EC 1907/2006). It deals with the Registration, Evaluation, Authorisation and Restriction of Chemical substances. The new law entered into force on 1 June 2007. None of the chemicals that appear on the restricted list are used in the production of this product. 3M™ can also assure our customer base that government compliance regulations are adhered to in the manufacture of this product. 3M™ audits its key suppliers to ensure compliance to the high quality and ethical standards demanded by our business.

## Specifications

### Classic

Weight	Standard colour 180g / Hi Visibility colours 220g
Shell Material	ABS
Fabric	100% Polyester - standard and high visibility
Mesh	100% Polyester
Mesh Position	Side
Colour Fastness Rating	4
Sweatband	Wicking fabric - 56.5% Polyester, 43.5% Minerale
Foam	Ethylene Vinyl Acetate (EVA)
Adjustment Strap	Elastic
Adjustment Buckle	POM (Polyacetal)
Glass Bead Reflective	Standard Classic N/A, High Visibility Models, Piping, Strip
Peak Lengths	55mm (a navy option with a micro peak 25mm is available)
Waterproof	High Visibility Models

### Elite

Weight	205g
Shell Material	ABS
Fabric	100% Polyester - standard and reflective piping
Mesh	100% polyester
Mesh Position	Side/Top
Colour Fastness Rating	4
Sweatband	Wicking fabric - 56.5% Polyester, 43.5% Minerale
Foam	Ethylene Vinyl Acetate (EVA)
Adjustment Strap	Elastic
Adjustment Buckle	POM (Polyacetal)
Glass Bead Reflective	Piping
Peak Lengths	55mm
Waterproof	N/A

### Winter

Weight	240g
Shell Material	ABS
Fabric	Outer fabric: 100% polyurethane coated polyester. Fleece: tricot elastic brushed.
Mesh	100% polyester
Mesh Position	Side/Top
Colour Fastness Rating	4
Sweatband	Wicking fabric - 56.5% Polyester 43.5% Minerale
Foam	Ethylene Vinyl Acetate (EVA)
Adjustment Strap	Elastic
Adjustment Buckle	POM (Polyacetal)
Glass Bead Reflective	Piping
Peak Lengths	55mm
Waterproof	N/A

### FR (EN 812:2012 Resistance to Flame)

Weight	235g
Shell Material	ABS
Fabric	55% "Protex" cotton, 44% cotton, 1% "Negastat"
Mesh	100% polyester
Mesh Position	N/A
Colour Fastness Rating	4
Sweatband	Wicking fabric - 56.5% Polyester, 43.5% Minerale
Foam	Ethylene Vinyl Acetate (EVA)
Adjustment Strap	Elastic
Adjustment Buckle	POM (Polyacetal)
Glass Bead Reflective	Piping
Peak Lengths	55mm
Waterproof	N/A

## Markings and Working Life of a Bump Cap

A bump cap should be replaced every 2-5 years from date of issue, depending on use and wear. Harsh conditions and/or rough usage dictate that a bump cap should be replaced sooner.

To ensure optimum performance it is essential that all parts of the bump cap are correctly stored, maintained, cleaned and free from defects. If in daily use and particularly when used outdoors, 3M recommend the cap be discarded after two years in service.



In some extreme circumstances, deterioration may be evident in an even shorter period of time. For indoor or occasional use, we would anticipate a service life up to 5 years.

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

In the centre of the stamp is the year with a directional arrow pointing to the month of the year in which the bump cap was made.

## Maintenance/Cleaning

The fabrics of all Firstbase 3 models are machine washable. Please note the washing instructions below should be adhered to when cleaning Firstbase 3 models.

100% POLYESTER	100% POLYESTER MICRO FIBRE
	
DO NOT USE FABRIC SOFTENERS	DO NOT USE FABRIC SOFTENERS
NAME	NAME
DATE OF ISSUE	DATE OF ISSUE

Classic HV

Classic & Elite

## 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 recycling facilities are not available the product should be disposed of as solid waste. If the product is to be disposed of, it should be dissembled and disposed of as solid waste. Please see local authority regulations for disposal advice and locations.

## Ordering Information

3M Code	Model #	Description
AT010654716	HC23BGELTRP	3M™ Base Bump Cap 3 Reduced Peak - Blue Grey
AT010654724	HC23BLKRPCLA	3M™ Base Bump Cap 3 Reduced Peak Classic - Black
AT010654732	HC23HORPCLA	3M™ Base Bump Cap 3 Hi Vis Orange Reduced Peak
AT010654740	HC23HYRPCLA	3M™ Base Bump Cap 3 Reduced Peak - Hi Vis Yellow
AT010654757	HC23NBMPCLA	3M™ Base Bump Cap 3 Micro Peak - Navy Blue
AT010654765	HC23NBRPCLA	3M™ Base Bump Cap 3 Reduced Peak - Navy Blue
UU010302980	HC23HO/RP FB3	3M™ FB3 Bump Cap Winter High Visibility Orange
UU010303012	HC23NB/RP FB3	3M™ FB3 Bump Cap Flame Resistant Navy Blue

## Important Notice

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