

3M™ First Base™ 3 Bump Cap

Technical datasheet



Description

The 3M™ First Base™ 3 Series of Bump Caps are designed to provide the wearer with protection in a wide range of low risk applications.

The 3M™ First Base™ 3 series encompasses a range of designs to suit different applications, a choice of colours and different peak lengths to suit many requirements.

The retention system comprises a two-part adjustable strap – one part is a black fabric tape, and the other a black elasticated loop.

The fit of the caps can be adjusted using a black plastic slider which links the two parts.

Features

Series includes:

- ▶ First Base 3 Classic
- ▶ First Base 3 Extra
- ▶ First Base 3 Elite
- ▶ First Base 3 Beanie
- ▶ First Base 3 Winter
- ▶ First Base 3 Flame Resistant
- ▶ Available in assorted colours and peak lengths 25mm (Micro Peak), 55mm (Reduced Peak) or 70mm (Standard Peak)
- ▶ Fashionable and lightweight providing high wearer acceptance
- ▶ Flexible shell design, manufactured from durable ABS plastic
- ▶ Contoured over the ears improves compatibility with other PPE
- ▶ Machine washable fabric caps
- ▶ CE approved to EN 812:2012
- ▶ Protects the head from knocks, bumps and scalp lacerations
- ▶ Must not be used for mandatory safety helmet applications
- ▶ 52 – 65cm head size

Applications

The 3M™ First Base™ 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 EN 397:2012.

Typical applications and environments that utilise base ball 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.

Maintenance/cleaning

The fabrics of 3M™ First Base™ 3 models are machine washable. Please note the washing instructions below should be adhered to when cleaning 3M™ First Base™ 3 models. Washing instructions can be found on the care labels attached to each bump cap.



Technical specifications

Classic

Shell style	Vented
Weight*	200g (SP), 190g (RP), 180g (MP), 230g (Hi-viz SP), 220g (Hi-viz RP)
Colours	Navy blue, red, royal blue, hi-viz yellow, hi-viz orange, dark green, white, grey, black
Fabric	100% polyester
Mesh and position	100% polyester, side
Sweatband	Wicking fabric – 56.5% polyester, 43.5% minerale
Peak lengths	SP = 70mm, RP = 55mm, MP = 25mm
Waterproof	High visibility models

Extra

RP = 55mm	Non-vented
Weight*	220g (RP)
Colours	Navy blue, black, grey
Fabric	67% polyester; 33% cotton
Mesh and position	100% polyester, side
Sweatband	Wicking fabric – 56.5% polyester, 43.5% minerale
Peak lengths	RP = 55mm
Waterproof	N/A

Elite

Shell style	Vented
Weight*	215g (SP), 205g (RP), 195g (MP)
Colours	Navy/grey, black/grey, grey/black, hi-viz orange
Fabric	100% polyester
Mesh and position	100% polyester, side and top
Sweatband	Wicking fabric – 56.5% polyester, 43.5% minerale
Peak lengths	SP = 70mm, RP = 55mm, MP = 25mm
Waterproof	N/A

Beanie

Shell style	Vented
Weight*	240g (RP)
Colours	Navy blue, black, grey
Fabric	Outer fabric: 100% knitted acrylic. Fleece: tricot elastic brushed
Mesh and position	N/A
Sweatband	Wicking fabric – 56.5% polyester, 43.5% minerale
Peak lengths	RP = 45mm
Waterproof	N/A

Winter

Shell style	Vented
Weight*	240g (RP)
Colours	Navy blue, hi-viz yellow, hi-viz orange
Fabric	Outer fabric: 100% polyurethane coated polyester. Fleece: tricot elastic brushed
Mesh and position	100% polyester, side
Sweatband	Wicking fabric – 56.5% polyester, 43.5% minerale
Peak lengths	RP = 55mm
Waterproof	N/A

FR (EN 812:2012 Resistance to Flame)

Shell style	Vented
Weight*	235g (RP), 222g (MP)
Colours	Navy blue
Fabric	55% 'Protex' cotton, 44% cotton, 1% 'Negastat'
Mesh and position	N/A
Sweatband	Wicking fabric – 56.5% polyester, 43.5% minerale
Peak lengths	RP = 55m, MP = 25mm
Waterproof	N/A

* SP = Standard Peak, RP = Reduced Peak, MP = Micro Peak

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.

Ordering information

Code	Description	Model no.
HC23NB/RP FB3 XTR NB (20)	3M™ FB3 Bump Cap Extra Navy Blue RP 55mm 2021101 20EA/Case	7100217750
HC23NB/RP FB3 WIN NB (20)	3M™ FB3 Bump Cap Winter Navy Blue RP 55mm 2021200 20EA/Case	7100217836
HC23HY/RP FB3 WIN HY (20)	3M™ FB3 Bump Cap Winter High Visibility Yellow RP 55mm 2021209 20EA/Case	7100217837
HC23HO/RP FB3 WIN HO (20)	3M™ FB3 Bump Cap Winter High Visibility Orange RP 55mm 2021218 20EA/Case	7100217838
HC23 BELT CLIP ASSY INDUSTRIAL (20)	3M™ FB3 Bump Cap Accessory Black 2021701 20EA/Case	7100217842
HC24HY/RP - FB3 CLA HY (20)	3M™ FB3 Bump Cap Classic High Visibility Yellow RP 55mm 2021866 20EA/Case	7100217844
HC24HY/SP FB3 CLA HY (20)	3M™ FB3 Bump Cap Classic high Visibility Yellow SP 70 mm	710023846
HC24HO/RP - FB3 CLA HO (20)	3M™ FB3 Bump Cap Classic High Visibility Orange RP 55mm 2021874 20EA/Case	7100217846
HC24HO/SP - FB3 CLA HO (20)	3M™ FB3 Bump Cap Classic High Visibility Orange SP 70mm 2021875 20EA/Case	7100217847
HC24NB/RP FB3 CLA NB (20)	3M™ FB3 Bump Cap Classic Navy Blue RP 55mm 2030031 20EA/Case	7100217850
HC24NB/MP FB3 CLA NB (20)	3M™ FB3 Bump Cap Classic Navy Blue MP 25mm 2030037 20EA/Case	7100217852
HC24NB/SP FB3 CLA NB (20)	3M™ FB3 Bump Cap Classic Navy Blue SP 70mm 2030043 20EA/Case	7100217854
HC24DG/MP FB3 CLA GREEN (20)	3M™ FB3 Bump Cap Classic Dark Green MP 25mm 2030595 20EA/Case	7100217856
HC24DG/RP FB3 CLA GREEN (20)	3M™ FB3 Bump Cap Classic Dark Green RP 55mm 2030596 20EA/Case	7100217857
HC24R/SP FB3 CLA RED (20)	3M™ FB3 Bump Cap Classic Red SP 70mm 2030597 20EA/Case	7100217858
HC24RB/SP FB3 CLA ROYAL BLUE (20)	3M™ FB3 Bump Cap Classic Royal Blue SP 70mm 2030599 20EA/Case	7100217859
HC24RB/RP FB3 CLA ROYAL BLUE (20)	3M™ FB3 Bump Cap Classic Royal Blue RP 55mm 2030601 20EA/Case	7100217860
HC24W/RP FB3 CLA WHITE (20)	3M™ FB3 Bump Cap Classic White RP 55mm 2030604 20EA/Case	7100217861
HC24GY/SP FB3 CLA GREY (20)	3M™ FB3 Bump Cap Classic Grey SP 70mm 2030605 20EA/Case	7100217862

Ordering information (continued)

Code	Description	Model no.
HC24GY/MP FB3 CLA GREY (20)	3M™ FB3 Bump Cap Classic Grey MP 25mm 2030606 20EA/Case	7100217863
HC24GY/RP FB3 CLA GREY (20)	3M™ FB3 Bump Cap Classic Grey RP 55mm 2030607 20EA/Case	7100217864
HC24BLK/SP FB3 CLA BLACK (20)	3M™ FB3 Bump Cap Classic Black SP 70mm 2030608 20EA/Case	7100217865
HC24BLK/MP FB3 CLA BLACK (20)	3M™ FB3 Bump Cap Classic Black MP 25mm 2030609 20EA/Case	7100217866
HC24BLK/RP FB3 CLA BLACK (20)	3M™ FB3 Bump Cap Classic Black RP 55mm 2030610 20EA/Case	7100217867
HC24R/RP FB3 CLA RED (20)	3M™ FB3 Bump Cap Classic Red RP 55mm 2030616 20EA/Case	7100217868
HC24NG/SP FB3 ELT NG (20)	3M™ FB3 Bump Cap Elite Navy/Grey SP 70mm 2031214 20EA/Case	7100217873
HC24NG/MP FB3 ELT NG (20)	3M™ FB3 Bump Cap Elite Navy/Grey MP 25mm 2031215 20EA/Case	7100217874
HC24NG/RP FB3 ELT NG (20)	3M™ FB3 Bump Cap Elite Navy/Grey RP 55mm 2031216 20EA/Case	7100217875
HC24BG/SP FB3 ELT BG (20)	3M™ FB3 Bump Cap Elite Black/Grey SP 70mm 2031217 20EA/Case	7100217876
HC24BG/RP FB3 ELT BG (20)	3M™ FB3 Bump Cap Elite Black/Grey RP 55mm 2031219 20EA/Case	7100217877

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