

# BETA e for Safety Helmet

CONVERT SAFETY HELMET INTO A WELDING HELMET





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### CONVERT SAFETY HELMET INTO A WELDING HELMET

The new **Beta e for SH** product range provides cost-efficient occupational safety with full head and face protection as well as the ability to wear the hard hat (safety helmet) even while welding.

The Beta e for SH product range consists of **Beta e90 SH welding mask with passive or automatic darkening filter**, the **Beta e397 Kemppi branded Kask hard hat** and the **Kask earmuffs**. The **Beta e90P and e90A complete kit** is a ready to wear package which includes the welding mask, hard hat and the earmuffs.

Beta e90 SH welding masks are equipped with either passive or auto-darkening lenses so they provide improved occupational safety with full face and head protection against sparks and spatters as well as the ability to wear the hard hat with the mandatory hearing protection while welding. The Beta e for SH product range is compatible with the **Kask**, **Petzl** and **Zekler** hard hats with passive earmuffs.

Quick and secure installation to the hard hat earmuff holder enables easy shifting into different work modes. Clicking the visor into three positions enables multiple use from welding to grinding and inspection.

The flip-up welding lens cassette holder provides three fixed positions: fully closed, fully open, or the convenient **GapView** position, setting a limited clear view of the work area, which is ideal for setting and tack welding tasks.



## KEY BENEFITS



### QUICK AND EASY INSTALLATION

Beta e for SH products are easy to attach to the hard hat earmuff holders – no tools needed.



### WORK SITE SAFETY IMPROVED

Full-time face and hearing protection for welding, grinding, tacking and inspection.



### IMPROVED COST- EFFICIENCY

Beta e for SH is a cost-efficient solution to convert a basic hard hat into a ready-to-use welding helmet.

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## BENEFITS

- Suitable for MIG/MAG, TIG, MMA, plasma, cutting, and grinding
- Compatible with Kask, Petzl and Zekler hard hats with passive earmuffs
- Quick connection and disconnection to the hard hat earmuff holder
- Beta e90P SH with passive welding filter features shade choice in DIN 8,9,10,11,12 and 13
- Beta e90A SH with automatic welding filter SA 60B LiFE+ Color ADF features 60 cm<sup>2</sup> viewing area and shade choices 3.5, 5, 9-13
- EN175 B impact protection rated
- Clicking the visor into three positions enables multiple use from welding to grinding and inspection
- Magnifying lens frame
- Reliable full-face protection
- Improved ergonomics with the lightweight design



## PRODUCT OPTIONS



### Beta e90P SH - stand-alone beta e90p for hard hat attachment

Beta e90P SH welding mask with a passive welding filter offers reliable full-face protection. It is compatible with Kask, Petzl and Zekler hard hats with passive earmuffs. Quick and secure installation to the hard hat earmuff holder enables easy shifting into different work modes especially in the challenging work environments.



### Beta e90A SH - stand-alone beta e90a for hard hat attachment

Beta e90A SH welding mask with an automatic darkening welding filter offers reliable full-face protection and it is compatible with Kask, Petzl and Zekler hard hats with passive earmuffs. Quick and secure installation to the hard hat earmuff holder enables easy shifting into different work modes especially in the challenging work environments.



### Beta e90A SH kit - beta e90a sh complete kit with beta e397 hard hat, beta e90a welding mask and kask earmuffs

Beta e90A SH kit with Beta e397 hard hat, Beta e90A SH welding mask and Kask earmuffs. A complete set is an easy solution for welding work and provides an ability to remove it quickly in order to continue with other work tasks while wearing the hard hat.



### Beta e90P SH kit - beta e90p complete kit with beta e397 hard hat, beta e90p sh welding mask and kask earmuffs

Beta e90P SH kit with Beta e397 hard hat, Beta e90P SH welding mask and Kask earmuffs. A complete set is an easy solution for welding work and provides an ability to remove it quickly in order to continue with other work tasks while wearing the hard hat.



### Beta e397 - stand-alone hard hat (kask zenith x)

Kemppi branded stand-alone Kask (Zenith X) hard hat. More detailed product information at [kask.com](http://kask.com).



### Beta e397V - stand-alone hard hat (kask zenith x). ventilated

Kemppi branded, ventilated Kask (Zenith X) hard hat. More detailed product information at [kask.com](http://kask.com).





## ACCESSORIES



### Earmuffs Kask SC3

Kask passive hearing protectors (level 3)



### SA 60B

Auto-darkening welding filter featuring large view area 100 x 60mm and LiFE+ Color ADF technology, providing greater clarity of vision. Shade adjustments: 5, 9-13.



### Universal leather neck protector

Protecting the neck and shoulders from welding spatter and grinding, the universal leather neck protector can be used with all Kemppi personal protection equipment and the wider welding market.



### Filter glass 90 x 110 mm EN 8



### Filter glass 90 x 110 mm EN 9



### Filter glass 90 x 110 mm EN 10



### Filter glass 90 x 110 mm EN 11



### Filter glass 90 x 110 mm EN 12



### Filter glass 90 x 110 mm EN 13



### Passive welding filter, shade 11, 90 x 110 mm

Passive welding filter made of glass for Beta e welding helmets.



### Beta e397 Inner Padding

Beta e397 and Beta e397V inner padding for replacement



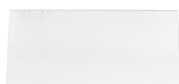
### Beta e397 Sweat Band

Beta e397 and Beta e397V replacement sweat band



### Beta e397 Sweat Band EC

Beta e397 and Beta e397V extra comfort sweat band



### Inner protection plate for SA 60B (106 x 65 mm), 5 pcs

Inner protection plate made of polycarbonate for SA 60B auto-darkening welding filter. Size 106 x 65mm. The package includes 5 pcs.



### Magnifying lense diopter 1.0-2.5 (51 x 108 mm)



### Earmuffs Kask SC2



### SC2 Hygiene kit



### SC3 Hygiene kit



## TECHNICAL SPECIFICATIONS

### Beta e90P SH - Stand-alone Beta e90P for hard hat attachment

Product code	9873026
Description	Stand-alone Beta e90P for hard hat attachment
Weight	400g
Operating temperature	– 5 ... + 55 °C <80% Rh
EN 175	B
Welding filter	SA 60B
View size	100 x 78 mm
Filter dimension	110 x 90 mm
Shade range	11
LiFE+ Color (yes/no)	No
Grinding function (yes/no)	No

### Beta e90A SH - Stand-alone Beta e90A for hard hat attachment

Product code	9873027
Description	Stand-alone Beta e90A for hard hat attachment
Weight	430 g
Operating temperature	– 5 ... + 55 °C <80% Rh
EN 175	B
Welding filter	SA 60B
View size	100 x 60 mm
Filter dimension	110 x 90 mm
Shade range	9-13
ADF light state	3.5
ADF switching time	0.1 ms
LiFE+ Color (yes/no)	Yes
Grinding function (yes/no)	Yes

### Beta e90A SH kit - Beta e90A SH complete kit with Beta e397 hard hat, Beta e90A welding mask and Kask earmuffs

Product code	9873029
Description	Beta e90A SH complete kit with Beta e397 hard hat, Beta e90A welding mask and Kask earmuffs
Standards	EN 397
EN 175	B
View size	100 x 60 mm
Welding lense type	ADF
Hearing protection class	3





### Beta e90P SH kit - Beta e90P complete kit with Beta e397 hard hat, Beta e90P SH welding mask and Kask earmuffs

Product code	9873028
Description	Beta e90P complete kit with Beta e397 hard hat, Beta e90P SH welding mask and Kask earmuffs
Standards	EN 397
EN 175	B
Welding lense type	Passive
Hearing protection class	3

### Beta e397 - Stand-alone hard hat (Kask Zenith X)

Product code	9873397
Description	Stand-alone hard hat (Kask Zenith X)
Standards	EN 397 EN 50365
Weight	490 g
Size	53-63 cm

### Beta e397V - Stand-alone hard hat (Kask Zenith X). Ventilated

Product code	9873397V
Description	Stand-alone hard hat (Kask Zenith X). Ventilated
Standards	EN 397 EN 50365
Weight	490 g

## ACCESSORIES

### Earmuffs Kask SC3

Description	Stand-alone level 3 hearing protectors for hard hat
Product code	WHP00006

### SA 60B

Product code	SP9873064
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### Universal leather neck protector

Product code	SP015579
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### Filter glass 90 x 110 mm EN 8

Product code	9873241
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### Filter glass 90 x 110 mm EN 9

Product code	9873242
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### Filter glass 90 x 110 mm EN 10

Product code	9873243
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### Filter glass 90 x 110 mm EN 11

Product code	9873244
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### Filter glass 90 x 110 mm EN 12

Product code	9873245
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### Filter glass 90 x 110 mm EN 13

Product code	9873246
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### Passive welding filter, shade 11, 90 x 110 mm

Description	Passive welding filter for Beta e90P SH
Product code	9873244

### Beta e397 Inner Padding

Product code	WPA00010
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### Beta e397 Sweat Band

Product code	WPA00011
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### Beta e397 Sweat Band EC

Description	For extra comfort
Product code	WPA00012

### Inner protection plate for SA 60B (106 x 65 mm), 5 pcs

Product code	SP012425
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### Magnifying lense diopter 1.0-2.5 (51 x 108 mm)

Description	
Product code	Diopter 1.0 - 9873260, Diopter 1.5 - 9873261, Diopter 2.0 - 9873262, Diopter 2.5 - 9873263



### Earmuffs Kask SC2

Description	Stand-alone level 2 hearing protectors for hard hat
Product code	WHP00005

### SC2 Hygiene kit

Description	Hygiene kit for Kask Ear muffs SC1&SC2
Product code	WAC00006

### SC3 Hygiene kit

Description	Hygiene kit for Kask Ear muffs SC3
Product code	WAC00007

[WWW.KEMPPI.COM](http://WWW.KEMPPI.COM)

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**Kemppi** is the design leader in the arc welding industry. We are committed to boosting the quality and productivity of welding by continuous development of the welding arc and by working for a greener and more equal world. Kemppi supplies sustainable products, digital solutions, and services for professionals from industrial welding companies to single contractors. The usability and reliability of our products is our guiding principle. We operate with a highly skilled partner network covering over 70 countries to make its expertise locally available. Headquartered in Lahti, Finland, Kemppi employs close to 800 professionals in 16 countries and has a revenue of 195 MEUR in 2022.

