

Welding processes	Current strength, A										
	15	30	60	100	150	200	250	300	400	500	
		20	40	80	125	175	225	275	350	450	
MMA Welding		9	10		11		12		13	14	
MIG, steels				10	11		12		13	14	
MIG, aluminium				10	11		12	13	14	15	
TIG, all metals	9	10	11	12		13	14				
MAG (CO <sub>2</sub> welding)			10	11	12		13		14	15	
Carbon arc gouging					10	11	12	13	14	15	
Plasma cutting				11		12		13			

Kemppi Beta 90X welding helmet combines ADC technology and the new headband mechanisms to stop the disturbing light rays coming from the side.



[www.kemppi.com](http://www.kemppi.com)



AD215EN  
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**Kemppi Beta**

Better **visibility**, better **protection**



Kemppi Beta 60, 90, 90A, 90X

## Welding helmets for professionals

### + Kemppi Beta in brief

- Perfect protection against welding radiation and spatters
- Good visibility to the work area improves efficiency and comfort
- Beta 90A and 90X are equipped with an automatically darkening protective glass
- Easily adjustable and well fitting headbands
- Lightweight and balanced structure, which also protects the chin, ears, and neck
- Interchangeable filter glasses

### Beta welding helmet

Kemppi Beta gives the welder perfect protection without compromising visibility or user-friendliness. Kemppi Beta welding helmets are equipped with a pivoting filter glass on top of a clear safety glass, which also fills the requirements set for grinding.

### Kemppi Beta automatic helmets 90A and 90X

The filter shade level (EN 3/11) and sensitivity on the Beta 90A helmet are fixed. The Beta 90X model you can adjust both filter shade level and sensitivity of the filter lens. Therefore, Beta 90X is well suitable for all welding processes (filter shade range 4/9-13).

You can also adjust the filter delay in the Beta 90X model, meaning how rapidly it becomes clear after arc cut-out. The adjustment range is 0.2–0.8 seconds.

Due to effective angular dependence compensation, the Beta 90X deters light hitting the glass in an angle. Therefore, this model is ideal for demanding welding jobs.



### Kemppi Beta Ordering codes

Welding helmet		Spatter protection glass	
Beta 60	9873040	Beta 90X	51 x 107 x 1.0 9873251
Beta 90	9873045	Beta 60	60 x 110 x 1.0 9873252
Beta 90 A	9873046	Beta 90, 90A, 90X	90 x 110 x 1.0 9873253
Beta 90 X	9873047	Beta 60, 90, 90A, 90X	90 x 110 x 1.5 9873254
Filter glass		Magnifying filter glass	
60 x 110 mm EN 8	9873161	Beta (1.0)	51 x 108 mm 9873260
60 x 110 mm EN 9	9873171	Beta (1.5)	51 x 108 mm 9873261
60 x 110 mm EN 10	9873181	Beta (2.0)	51 x 108 mm 9873262
60 x 110 mm EN 11	9873191	Beta (2.5)	51 x 108 mm 9873263
60 x 110 mm EN 12	9873202	Colored safety glass      Beta, polycarb. DIN 3	90 x 110 x 1.0 9873255
60 x 110 mm EN 13	9873211		
60 x 110 mm EN 14	9873212		
90 x 110 mm EN 8	9873241		
90 x 110 mm EN 9	9873242	Auto-darkening welding filter lens	
90 x 110 mm EN 10	9873243	Beta 90 A, DIN 3/11	90 x 110 9873051
90 x 110 mm EN 11	9873244	Beta 90 X, DIN 4/9-13	90 x 110 9873055
90 x 110 mm EN 12	9873245	Glass support spring	
90 x 110 mm EN 13	9872146	Beta 60	3149840
90 x 110 mm EN 14	9873247	Beta 90, 90 A, 90 X	3149850
		Headband	
		Beta	4306370
		Sweatband	9873018

### Kemppi Beta Technical specifications

Welding helmet		BETA 60	BETA 90	BETA 90 A	BETA 90 X
Filter lens dimensions	mm	60 x 110	90 x 110	90 x 110	90 x 110 mm
Viewing window	mm	60 x 110	90 x 110	46.5 x 95	46.5 x 95 mm
Shade range		EN 8–14	EN 8–14	EN 3 / 11	EN 4 / 8 -14
Sensitivity		-	-	Fixed	Adjustable
Switching time	s	-	-	0,0005	0,00015
Delay (dark --> bright)	s	-	-	0,2	0.2–0.8 adjustable