



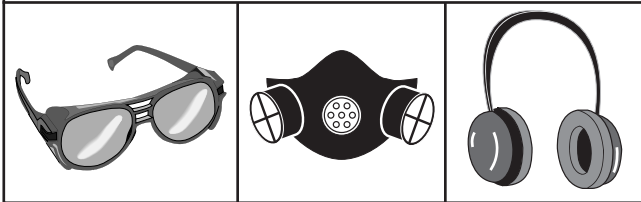
Welding Helmet

MODEL H7787

INSTRUCTION SHEET

WARNING

Welding helmets do not provide unlimited protection for your eyes, ears and lungs. Personal injury could result from using this welding helmet without proper protective gear. Always wear safety glasses, an approved respirator, and hearing protection while welding.



Introduction

This Welding Helmet features a view area of 1 $\frac{1}{4}$ " x 3 $\frac{1}{4}$ " and a weight of 19 oz., fully adjustable head-gear with sweat band and is supplied with a #10 shade filter.

Inventory

A. Welding Hood..... 1

Operation Safety

Welding produces ultraviolet and infrared rays that are harmful if skin or eyes are left unprotected. Please read and follow these important safety guidelines.

- Use a welding helmet that is supplied with the correct shade filter to protect your eyes and face while welding or watching a welding process.

- Wear safety glasses with sides shields or goggles under the welding helmet.
- Wear protective clothing that is fire resistant like leather or wool. DO NOT wear tennis shoes or street shoes while welding. Wear leather boots that come up past the ankles and have fire resistant soles.
- Protect those around you from welding flash and fire by using protective barriers or screens.
- Remove any flammable materials in the area before you begin to weld.
- Have someone perform fire watch while you are welding and for at least an hour after you have finished welding, to guard against fire.
- DO NOT weld if the welding helmet is damaged. Inspect it carefully and replace components as needed. Make sure the clear protective lense is not scratched or covered with smoke as it may obstruct vision.
- Never use the welding helmet to look at the sun. The welding helmet is designed for use while welding, only.
- DO NOT grind while wearing the helmet. The helmet and/or lense may become damaged and malfunction or break.

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#DD7616 PRINTED IN CHINA

Adjusting the Headgear

The headgear supplied with your welding helmet can be adjusted for height, diameter, angle and friction during flip-down.

Height

1. Bend middle strap inward and press the bead out of the hole.
2. Adjust the strap length until the sweat band is positioned just above your eye brows.
3. Snap the bead into the closest hole in the strap.

Diameter

1. Locate the hand knob on the back of the headband. Rotate it clockwise to tighten and counterclockwise to loosen.
2. Place the helmet on your head and make adjustments to the headband until it is comfortably snug.

Angle

1. Looking at the back of the helmet, locate the friction knob on the right hand side and loosen it 4 or 5 complete turns. It is not necessary to remove it completely.
2. On the side of the helmet and just below the friction knob are 3 holes. One of these holes will be occupied by a plastic pin. Push the pin in toward the inside of the helmet and position it over the desired hole.
3. Insert the pin and tighten the friction knob.

Choosing the hole farthest from the front of the helmet will allow the helmet to tilt further forward. Choosing the hole closest to the front will allow the helmet to tilt less.

Flip-Down Friction

1. Tighten or loosen the friction knobs located on either side of the helmet to increase or decrease the amount of effort needed to raise and lower the helmet.

The headband and middle strap must be properly adjusted before flipping the helmet down by nodding your head. If the headband is too loose, the helmet may tumble off after being flipped down and the lenses could be damaged.



Figure 1. Model H7787.

Shade Filter

The shade chart below shows recommended shade filters needed for various welding processes.

Welding App.	Current Amp.	Shade No.
Stick Welding	<40	#9
	40-80	#10
	80-175	#11
	175-300	#12
	300-500	#13
MIG (metal inert gas)	<100	#10
	100-175	#11
	175-300	#12
	300-500	#13
TIG (tungsten inert gas)	<50	#10
	50-100	#11
	100-200	#12
	200-400	#13
Air Carbon Arc	<500	#12
	500-700	#13
Plasma Cutting	60-150	#11
	150-250	#12
	250-400	#13
Plasma Welding	<50	#9
	50-200	#10
	200-400	#11