

*Introducing the*  
**3M™ Welding Shield WS-Series**



**A small step  
in price**

**A giant leap  
in protection**

# *New...3M™* Welding Shield with Auto-Darkening Filter

**Continuous,  
comfortable  
vision**



**With the arrival of the 3M™ Welding Shield WS-320, anyone can afford the benefits of an auto-darkening filter!**

The WS-320 welding shield helps provide:

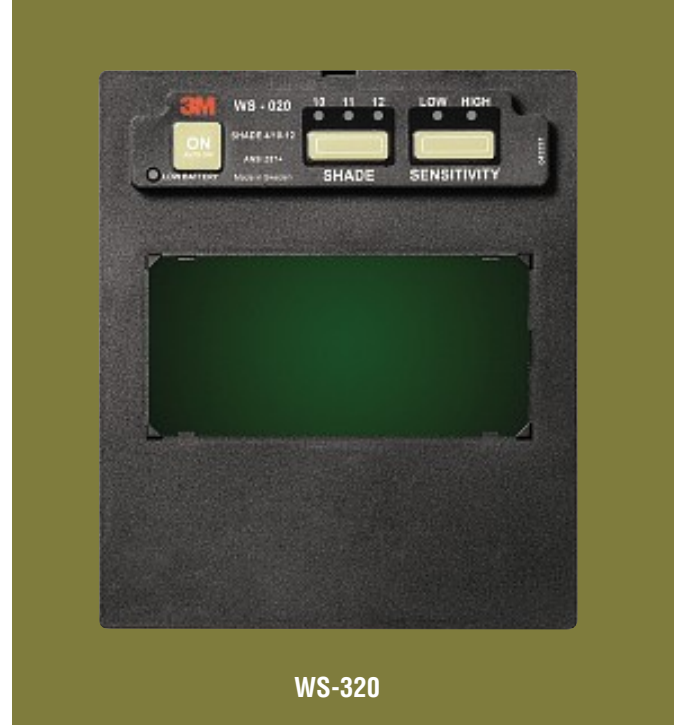
- **Safety.** Helps protect against injuries to the eyes caused by arc welding, including dangerous ultraviolet (UV) and infrared radiation (IR).
- **Visibility and precision.** Turns dark the moment an arc is struck and light again when welding stops. Auto-darkening filters (ADFs) help ensure that user vision remains consistently clear.
- **Ergonomic benefits.** Eliminates “nodding down” to help reduce neck strain.
- **Productivity, efficiency and quality.** The continuous visibility helps with efficiency and productivity. Welders can use both hands continuously, to help keep work flowing with less re-work.

## Optimal optics

In developing the ADF filter, special care has been taken to achieve high optical quality. The result is a strikingly clear view.

## Reliable performance

The auto-darkening welding filter and the electronic controls are designed for long-lasting, reliable use. And, these are backed by one of the best warranties in the market.



WS-320



WS-320



WS-110

The 3M™ Welding Shield WS-Series is an economical, robust and reliable family of welding shields. The WS-Series helps provide safety for welders at an affordable price.

### *Which model will you choose?*

#### **3M™ Welding Shield WS-320/37154**

- Three variable dark state levels (ADF shades 10 – 12).
- Two user-selectable sensitivity levels for reliable arc detection.
- For stick, MIG/MAG and for many TIG welding applications.
- Good optical quality for clear view of the workpiece. Shade 4 in the light state.
- Easy to operate and maintain.

*Shield is designed to protect the wearer's eyes from harmful radiation, including visible light, ultraviolet radiation (UV), and infrared radiation (IR) resulting from certain welding processes.*

#### **3M™ Welding Shield WS-110/37155**

- Standard glass filter plate (non-ADF)
- Shade #10



3M is a leader in welding safety, offering a wide range of personal protective equipment for welders. The product line includes auto-darkening welding shields, respiratory protection equipment and 3M's full range of health and safety products and services. Based on our extensive know-how and our long experience of welders' working conditions, we constantly emphasize innovation in developing equipment that will increase welding performance and make the welder's job safer and more comfortable.

## Other 3M Personal Protective Equipment Offerings



**Particulate Welding Respirator 8515 N95 with Cool Flow™ Valve**



**Welding Reusable Respirator 6297-W with Odor Relief**



**Banded Hearing Protector 1310**



**Protective Eyewear 1752 Blue Frame Mirrored Lens**

**Note:** Depending on the specific conditions of each work site and methods used, welding activities have the potential to expose workers to harmful levels of welding fumes, gases, or other airborne contaminants.

## For More Information

### In U.S.

Technical Assistance 1-800-243-4630

Customer Care Center 1-800-328-1667

### Internet

[www.3M.com/Occsafety](http://www.3M.com/Occsafety)

## **WARNING**

These welding safety products must be used only by qualified persons trained in their use and maintenance and only in strict accordance with and adherence to the detailed instructions and precautionary statements provided in the instruction manual which accompanies each product. **Failure to comply with these instructions could result in sickness, serious bodily injury or loss of life.**

For proper use of these products read user instructions and warnings on the package. Any questions concerning proper use should be directed to your supervisor, on-site training specialist, industrial hygienist or 3M Occupational Health and Environmental Safety Division (OH&ESD) Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414.

## 3M Worldwide, World Class

3M develops, manufactures and markets over 50,000 different consumer, commercial, industrial and health care products. We have manufacturing operations in 60 countries and do business in more than 200 countries. 3M can help you achieve corporate goals, meet and exceed government standards, simplify and improve the lives of your employees, and contribute to a safe, healthy and sustainable work environment.



### General Offices

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