

## Eye and Face Protection

### **Additional Resources:**

- [Complete OSHA Standard](#)

Eye and face protection shall be provided and used when machines or operations present potential eye or face injury. 1926.102(a)(1)

Eye and face protective equipment shall meet the requirements of ANSI Z87.1-1968, Practice for Occupational and Educational Eye and Face Protection. 1926.102(a)(2)

Employees involved in welding operations shall be furnished with filter lenses or plates for protection against radiant energy. Table E-2 shall be used as a guide. 1926.102(b)(1)

**Table E-2**

<b>Filter Lens Shade Numbers for Protection Against Radiant Energy</b>	
<b>Welding Operation</b>	<b>Shade Number</b>
Shielded metal-arc welding 1/16, 3/32, 1/8, 5/32 inch diameter electrodes	10
Gas-shielded arc welding (nonferrous) 1/16, 3/32, 5/32, 1/8 inch diameter electrodes	11
Gas-shielded arc welding (ferrous) 1/16, 3/32, 5/32, 1/8 inch diameter electrodes	12
Shielded metal-arc welding 3/16, 7/32, 1/4 inch diameter electrodes	12
5/16, 3/8 inch diameter electrodes	14
Atomic hydrogen welding	10 - 14
Carbon-arc welding	14
Soldering	2
Torch brazing	3 or 4
Light cutting, up to 1 inch	3 or 4
Medium cutting, 1 inch to 6 inches	4 or 5
Heavy cutting, over 6 inches	5 or 6
Gas welding (light), up to 1/8 inch	4 or 5
Gas welding (medium), 1/8 inch to 1/2 inch	5 or 6
Gas welding (heavy), over 1/2 inch	6 or 8