

Welding Protection Recommendations

OPERATION	RECOMMENDED PROTECTION
Acetylene Burning, Cutting, Welding	Eyecup or Cover-type goggles with tinted lenses
Electric Arc Welding	Welding Helmet over safety glasses
Furnace Operations	Eyecup or Cover-type goggles with tinted glass

WELDING OPERATIONS	Suggested Shade Number ****
Shielded Metal-Arc Welding up to 5/32 inch electrodes	10
Shielded Metal-Arc Welding 3/15 - 1/4 inch electrodes	12
Shielded Metal-Arc Welding over 1/4 inch electrodes	14
Gas Metal-Arc Welding (non-ferrous)	11
Gas Metal-Arc Welding (ferrous)	12
Torch Soldering	2
Torch Brazing	3 or 4
Light Cutting up to one inch	3 or 4
Medium Cutting, 1-6 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 to 1/2 inch	5 or 6
Gas Welding (heavy) over 1/2 inch	6 or 8

**** The Choice of a filter shade may be made based on visual acuity and may vary

Contact Lenses Warning:

The wearing of Contact Lenses in hazardous locations is discouraged

No current studies suggest a higher incident of eye injuries to contact lens wearers. However, when hazards exist from dusts, vapors, mists, fumes, radiant heat, molten metal, or chemicals they should not be worn. The wearing of contacts can result in increased irritation; materials trapped behind them, and increased eye injury from burns. Safety eyewear is required by contact lens wearers and therefore covered by the prescription eyewear policy. Some employees elect to remove their lenses when necessary and don prescription glasses.

Whenever irritation or discomfort exists it is important to remove the contacts immediately.