TABLE 8.6.1
Lens shades recommended for welding and laser use

Process:	Shade #/Glass type:
Oxy-acetylene torch cutting and welding	
Soldering	Medium calobar
Brazing	3 or 4
Cutting	
Light, to 1 in.	3 or 4
Medium, 1 to 6 in.	4 or 5
Heavy, over 6 in.	5 or 6
Welding	
Light, to 1/8 in.	4 or 5
Medium, 1/8 to 1/2 in.	5 or 6
Heavy, over 1/2 in.	6 to 8
Arc welding(a)	
Metal or helium arc	
1/6 to 3/32 in. diam. rod	9
3/32 to 1/8 in. diam. rod	10
1/8 to 5/32 in. diam. rod	11
Metal arc	
3/16 to 7/32 in. diam. rod	12
1/4 in. diam. rod	13
5/16 to 3/8 in. diam. rod	14
Atomic arc	10 to 14
Carbon arc	14
Glass blowing	didymium
Lasers(b)	

(a) In gas-shielded arcs (helium or argon), use shades 10 to 14.

(b) Special eye protection information is available for various types of lasers from the Safety Office. A single glass is not available for protection from all laser outputs. The maximum energy which the glasses will withstand and the spectral frequencies against which they will provide protection are imprinted on the frames of the laser glass (see Section 3 on Laser Safety).