








# Personal Protective Equipment Selection of Eye and Face Protection

Hazard	Activities	 Spectacles with side shields *	 Eye-cup goggles	 Mono-framed goggles	 Welding helmet **	 Face shield	 Hood	 Hand shield plus spectacles
<b>Group A</b> Flying objects	Chipping/Drilling/Scaling	■	■	■		★		
	Grinding/Polishing/Buffing	■	▲	▲		★		
	Riveting/Punching/Shearing	■	■	■				
	Hammer mills/Crushing	■	■	■				
	Heavy sawing/planing		▲	▲		★		
	Wire and strip handling	■	■	■				
	Hammering/Unpacking/Nailing	■	■	■		★		
	Punch press/Lathe work	■	■	■		★		
<b>Group B</b> Flying particles/ Dust/Wind	Woodworking/Sanding	■	▲	▲		★		
	Light metal working/machining	■	▲	▲		★		
	Exposure to wind/dust	■	▲	▲				
	Resistance welding	●	●	●		★		
	Sand/cement handling		▲	▲			★	
	Painting		▲	▲		★	★	
	Plastering/Concrete work	■	▲	▲		★		
<b>Group C</b> Heat/Glare/Sparks/ Molten metal splash	Material batching/mixing	■	▲	▲		★		
	Working with molten metal		▲ +	▲ +		★		
	Soldering/Brazing	●	●	●		★		
	Spot/stud welding		●	●		★		
<b>Group D</b> Chemical splash	Hot dipping		▲ +	▲ +		★		
	Handling acid/alkali		▲ +	▲ +		★	★	
	De-greasing		▲	▲		★		
	Spraying chemicals		▲ +	▲ +		★	★	
	Glass breakage		■ +	■ +		★		
<b>Group E</b> Abrasive blasting	Handling liquid bitumen		▲ +	▲ +		★		
	Sandblasting		▲	▲			★	
	Shot blasting						★	
<b>Group F</b> Glare/Stray light	Shotcreting						★	
	Reflection/Sunlight	●	●	●				
	Reflected welding flash	●	●	●				
	Metal pouring/Furnace work	● +	● +	● +		★		
<b>Group G</b> Injurious optical radiation	Spot/stud welding		●	●		★		
	Gas cutting/welding		●	●		●		
<b>Group H</b> Injurious optical radiation	Furnace work	● +	● +	● +				
	Electric arc welding				● ◆			●
	Heavy gas cutting				● ◆			●
	Plasma spraying/cutting				● ◆			●
	Inert gas shielded arc welding				● ◆			●
Atomic hydrogen welding				● ◆			●	

This chart is adapted from Canadian Standards Association (CSA) found in "Industrial Eye and Face Protectors Standard, Z94.3-92"

\* Spectacles without side shields may be appropriate for certain work situations.

\*\* CSA Z94.3-02 states that Class 3, 4 and 5 protectors, or welding protection, shall be used only in conjunction with Class 1 or 2 protectors (spectacles or goggles).

CSA Z94.3-92, which we quote in regulations does not have this requirement.

LEGEND	
■ For impact	★ Other option
▲ For dust/splash	+ Must be worn with face shield
● For radiation	◆ Must be worn with spectacles or goggles