



Welding and Cutting Checklist

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Protective Measures:

- Flame-resistant clothing
 - Gauntlet gloves
 - Aprons of Leather or other suitable material
 - Leggings, high boots, or other leg protection
- Suitable eye protective equipment worn
- Ear protection
- Welding helmets

Gas Welding and Cutting:

- At beginning of the shift, inspect torches for leaking shut off valves, hose couplings, and tip connections
- Ensure oxygen and fuel gas regulators in proper working order
- Secure all compressed gas cylinders in upright position at all times
 - Transporting or storing cylinder – secure cylinders with caps in place
 - Never use cylinders as rollers or supports
- Keep oxygen cylinders and fittings away from oil and grease

Arc Welding and Cutting:

- Ground frames of all arc welding and cutting machines
- Shield welding and cutting operations by noncombustible or flameproof screen
- Remove electrodes and place or protect electrode holders when left unattended
- When necessary to couple several lengths of cable for use as welding circuit
 - Insulated connectors used on both ground and electrode holder lines
 - For permanent connections, connection/splice should be insulated so it is equivalent to cable in use

Fire Prevention:

- Have suitable fire extinguishing equipment immediately available
- Vent or opening in drum, container, or hollow structure before heat applied
- If drum, container, or hollow structure has contained toxic or flammable substances
 - Fill with water or thoroughly clean
 - Ventilate
 - Test before welding, cutting, or heating
- Fire watches necessary when welding or cutting performed where fire could develop
 - Continue watch for at least 30 min after completion of operation