WAC 296-24-69005  Portable welding machines.  (1) Counter-bal-
ance. All portable welding guns must have suitable counter-balanced
devices for supporting the guns, including cables, unless the design
of the gun or fixture makes counterbalancing impractical or unneces-
ary.

(2) Safety chains. All portable welding guns, transformers and
related equipment that is suspended from overhead structures, eye
beams, trolleys, etc., must be equipped with safety chains or cables.
Safety chains or cables must be capable of supporting the total shock
load in the event of failure of any component of the supporting sys-
tem.

(3) Clevis. When trolleys are used to support portable welding
equipment, they must be equipped with suitable forged steel clevis for
the attachment of safety chains. Each clevis must be capable of sup-
porting the total shock load of the suspended equipment in the event
of trolley failure.

(4) Switch guards. All initiating switches, including retraction
and dual schedule switches, located on the portable welding gun must
be equipped with suitable guards capable of preventing accidental ini-
tiation through contact with fixturing, operator's clothing, etc. Ini-
tiating switch voltage must not exceed 24 volts.

(5) Moving holder. The movable holder, where it enters the gun
frame, must have sufficient clearance to prevent the shearing of fin-
gers carelessly placed on the operating movable holder.

(6) Grounding. The secondary and case of all portable welding
transformers must be grounded. Secondary grounding may be by center
tapped secondary or by a center tapped grounding reactor connected
across the secondary.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, and
49.17.060. WSR 15-24-100, § 296-24-69005, filed 12/1/15, effective
1/5/16; Order 73-5, § 296-24-69005, filed 5/9/73 and Order 73-4, §
296-24-69005, filed 5/7/73.]