

Fillet Weld Scoring Guide (Root pass)

Weld Scoring Item	3	4 (minimum)	5	6
45 degree angle (both legs equal) Weld face is flat or slightly convex with no cold lap	Legs not even or cold laps. Amateurs have a problem with excessive convexity on face.	Basically legs are even and at a 45 degree angle. No cold lap.	Wow, this person really has it dialed in.	Measure with micrometer and all the same
Smoothness of weld, even consistent ripple or pattern ..	A little rough .. looks like storm is kicking the waves up	Although it looks like a human did this, the weld is pretty smooth and even.	Steady hand. Amazing. Must not drink coffee or energy drinks.	Looks like a welding robot welded this.
Consistent and proper bead width	Gets narrow and then wide .. not good control	Stays about the same all the way.	Impressive.	Robot at work again.
Errors: undercut, inclusions, pinholes	Not good enough to leave shop. Can't have these critical errors in a weld	Maybe one or two minor errors	Any errors are slight and hard to find	No errors anywhere in weld.

Oxy/Acetylene Cutting Scoring Guide Descriptors (for freehand cuts)

SCORE	DESCRIPTION For Slag
6	No slag. None. Run your fingernail across the cut and feel no slag.
5	Have to look hard to see slag, or only one little piece.
4	Mostly clean of slag but may be a couple of minor pieces that could be easily taken off with a hard grinder
3	Enough slag that it doesn't look too good
2	Lots of slag all over. It would be a pain to grind it off
1	Looks like a riverbank with severe undercutting

SCORE	DESCRIPTOR FOR SMOOTHNESS OF CUT
6	Looks like a line burner
5	Wow. This is a smooth cut for a human holding a torch freehand
4	Smooth. This person has a steady hand
3	Looks like this person needs more practice or less coffee and pop
2	Jagged
1	Rough as a cob

SCORE	DESCRIPTOR FOR SQUARE WITH LENGTH OF CUT
6	Put square on it and see no light anywhere
5	Put square on it and see a little light in places
4	Square enough to butt weld this to another piece
3	Out of square bad enough it would be hard to butt weld it to another piece
2	Lots of light
1	So much light it hurts your eyes

SCORE	DESCRIPTOR FOR SQUARE PERPENDICULAR TO CUT
6	Looks like a line burner, no light anywhere.
5	Wow, this person can hold a torch straight up and down while cutting!
4	Pretty nice, a little light in places
3	Would not fit up nice without a large bead
2	Lots of light
1	Must have been trying to cut a bevel