Evaluating Cut Speed

ALUMINUM

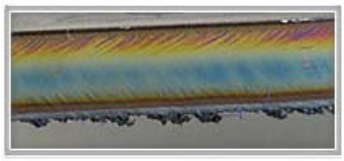
Cut speed too fast
Cut drag lines are more than 15 degrees trailing the torch (torch ovement right to left) High speed bottom dross, easy to remove

Cut speed correct
Cut drag lines trail are visible, but cut surface is smooth No dross

Cut speed too slow
Cut drag lines are more pronounced and cut surface is rougher

STAINLESS STEEL (H35)

Cut speed too fast
Gold heat discoloration swept in both directions Cut drag lines more than 15 degrees trailing High speed bottom dross, hard to remove



Cut speed correct
Smooth cut surface No dross

Cut speed too slow
Heat discoloration is concentrated in the bottom half of the cut Hard bottom dross, difficult to remove

MILD STEEL (O2 PLASMA)

Cut speed too fast
Trailing cut drag lines Light bottom dross, hard to remove, some top spatte

Cut speed correct
Cut drag lines near vertical No dross

Cut speed too slow
Cut drag lines lead the torch Heavy bottom dross, easy to remove

MILD STEEL (AIR)

Cut speed too fast
Cut drag lines curve and trail torch movement High speed bottom dross, hard to remove

Cut speed correct
Cut drag lines near vertical Minimal dross

Cut speed too slow
Cut drag lines vertical or leading the torch head Thicker bottom dross, easy to remove