Since 2013, several groups have called for a complete ban on at least offensive autonomous weapons, so-called “killer robots”. The major arguments advanced in support of a ban are, however, mostly unpersuasive. In fact, there are plausible arguments for why autonomous weapons systems might actually be “more moral” than human combatants. After briefly discussing one specific, technical proposal for how one might build an ethical competence into autonomous systems, I turn to outlining an international regulatory system for autonomous weapon systems based on the extant “Article 36” requirements for legal review of all new weapons technologies. In sum, the argument is that a total ban on autonomous weapons could, in fact, be the less ethical course of action.