



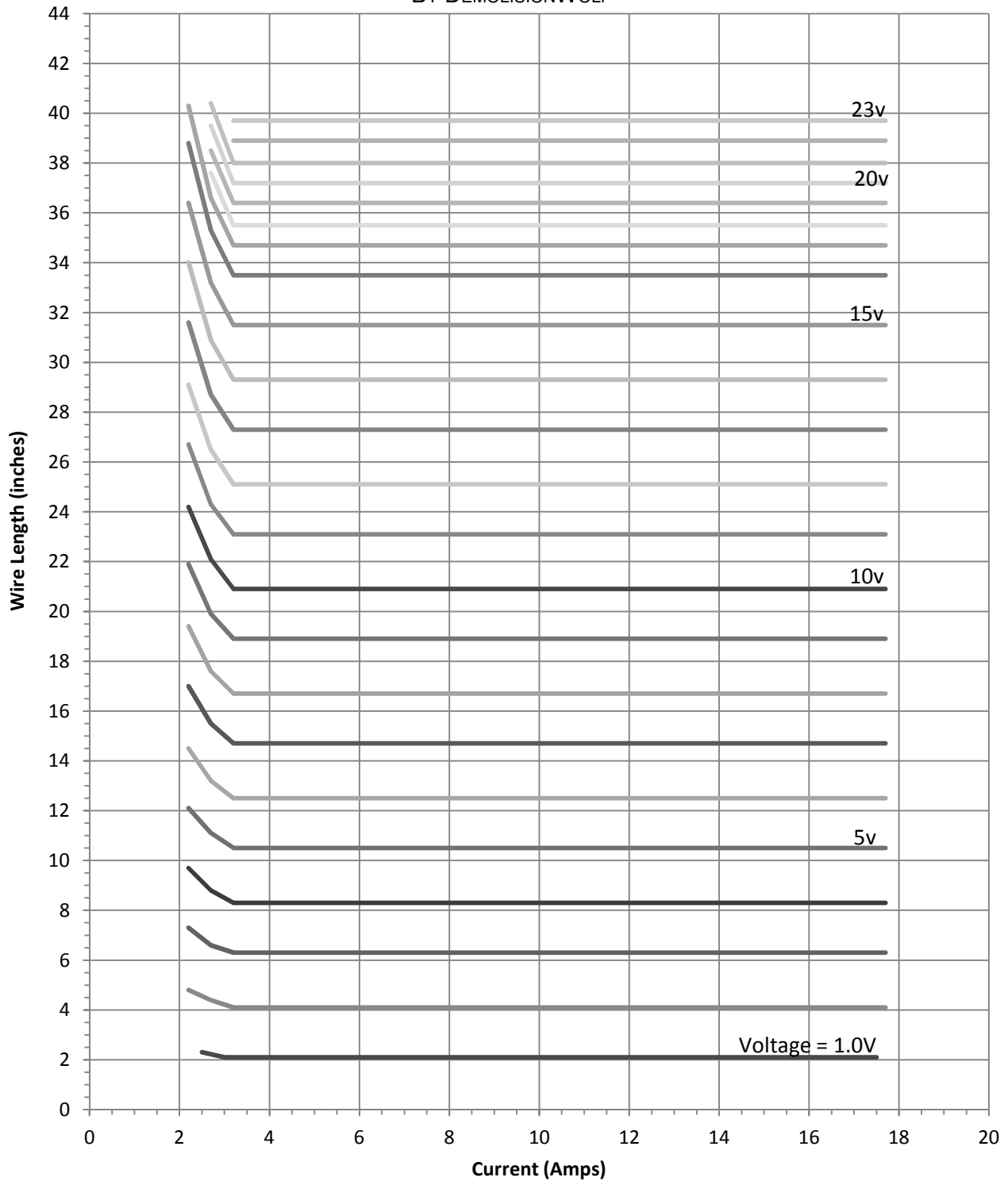
instructables

HOT WIRE CUTTER DESIGN CURVES

By DEMOLISIONWOLF

CHART - 1

0.008 dia Steel



* To increase temperature of wire during testing, decrease length by 0.5" increments.

** Temperatures Range of curves: 464°F (240°C) to 860°F (460°C)

*** Rounding of each variable in Trial & Error loop: Volts by 1, Current by 0.5, Length by 0.2

**** Equations: $W=VI$, $I=VR$, $R=(PL)/A$, $P=P(1+\alpha\Delta)$

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