

Apollo Seiko

Estimated Iron Tip Life

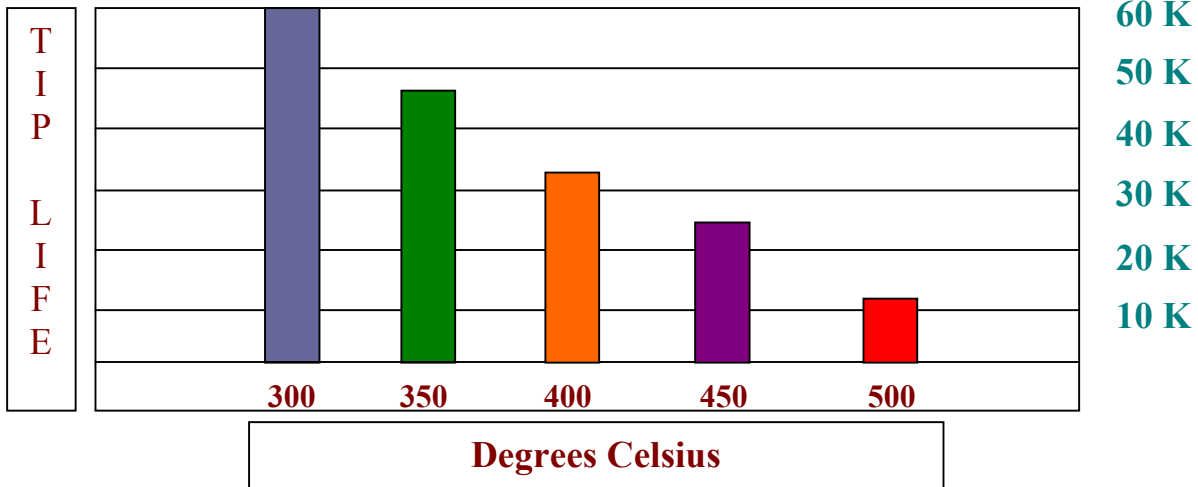
Below is a chart that depicts normal iron tip life of the Apollo Seiko RS-P iron tips. The number of cycles is estimated and should only be used as a guide.

Items that **negatively** impact iron tip life are as follows:

- Temperature 50%
- Proper Feed Set-Up 25%
- Flux 15%
- Substrate / Component to be Soldered 10%

Tip Temperature	Estimated Tip Life	Percentage of Reduction
300 Degrees Celsius	~ 50,000	-----
350 Degrees Celsius	~ 42,500	15%
400 Degrees Celsius	~ 36,125	15%
450 Degrees Celsius	~ 30,700	15%
500 Degrees Celsius*	~ 20,000	35%

** Soldering temperature is not recommended above 450 degrees Celsius*



Iron Tip Temperature Range – Effective Usable Temperature

The Apollo Seiko DCN/DCS iron tips have a thermocouple (Type K) integral to the Copper base material. These tips are programmable but have an effective range per application. If a specific application has a soldering temperature of 400 degrees Celsius than the iron tip operating range would be between 380 degrees Celsius and 420 degrees Celsius.

Actual application / soldering temperature range is between **280** degrees Celsius and **450** degrees Celsius.