

This document will help you choose the right tweezer set and tips depending on your requirements and application.

SKT stands for **S**mall **K**elvin **T**weezers.

The 2005B, 2005C, 2005D etc. tweezer sets included two tips. We have removed the included tips, and now **the customer needs to specify which tip kit he/she wants to purchase with the tweezers, when placing the tweezers order.**

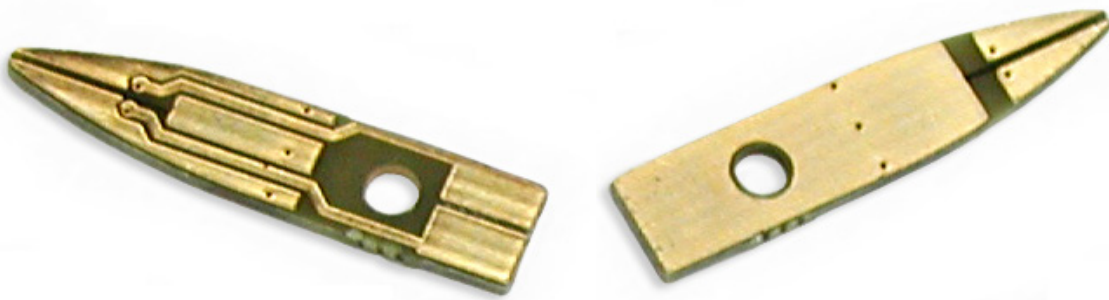
TEGAM offers three different types of tips: Two wire, Four Wire, and Four Wire Angled.

The **two wire** tip is suitable for applications where low impedance measurements are not involved. These tips exhibit 20-40 m Ω of measurement error offset. This is inconsequential to the measurements greater than 1 k Ω or when measuring typical capacitor values in SMD packages. The value of the two wire tips is greater when grasping small parts. The larger contact area makes it easier for an operator to quickly make contact with less critical alignment.



Two wire tips

In the **four wire** tips, the Kelvin connection is extended to the tip end eliminating any residual resistance addition from the tips. This tip is recommended for low level resistance/impedance measurement, because it eliminates errors introduced by the two wire tips. Part alignment is more critical due to the need to make connection at all four points for a valid measurement.



Four wire straight tips

The **four wire angled** tip is designed for more convenient hand position when testing SMD components. The tip is four wire with a 60° angle, which makes it easier to hold and perform repetitive measurements.



Four wire angled tips



SKT-5 with the four wire angled tips

The variety of tip kits we now offer is as follows:

47422 – Two wire tip, straight

47423 – Four wire tip, straight

47424 – Four wire tip, angled

All kits come with 12 tips, two screws, and one Allen wrench.

The table below will help you figure out the new replacement part numbers for the old tweezers part numbers.

Old P/N	Replacement/ New P/N	Cable Length (ft)	Tips	Compatible with TEGAM Model:
2005B	SKT-5 + 47422	5	Two Wire Straight	3525, 3550, 2150/60
2005C	SKT-3 + 47422	3	Two Wire Straight	3525, 3550, 2150/60
2005D	SKT-5 + 47423	5	Four Wire Straight	3525, 3550, 2150/60
2005E	SKT-3 + 47423	3	Four Wire Straight	3525, 3550, 2150/60
-	SKT-5 + 47424	5	Four Wire Angled	3525, 3550, 2150/60
-	SKT-3 + 47424	3	Four Wire Angled	3525, 3550, 2150/60
2005B/SP5132	SKT/252-5 + 47422	5	Two Wire Straight	252, 253
2005F	SKT/252-5 + 47423	5	Four Wire Straight	252, 253
-	SKT/252-5 + 47424	5	Four Wire Angled	252, 253
17510	SKT/1750-5 + 47422	5	Two Wire Straight	1740, 1750
17510A	SKT/1750-5 + 47423	5	Four Wire Straight	1740, 1750
-	SKT/1750-5 + 47424	5	Four Wire Angled	1740, 1750

Price:

The price for all the 2005X tweezers was \$595 (domestic) / \$777 (international) and included two tips.

The price for all the SKT tweezers is \$450/\$585 and \$145/\$192 for all the 4742X tip kits.

From customer’s point of view, the total price remains the same.
 SKT + tip kit (\$450 + \$145) = \$595. But, now they get more tips (12).

New customers should order at least one of the three tip kits with the tweezers.