Titanium Solder Clamps

Available in Packs of 5 or 10

Inspired by jewellers around the world these titanium strips can be easily bent into a range of specialised custom clamps for soldering operations.



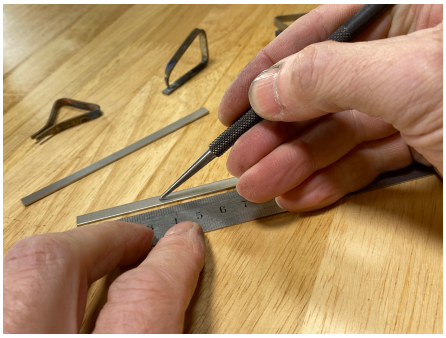
Titanium has several advantages over the traditional steel tweezers when it comes to soldering. It simply doesn't stick to them and neither does enamel. It stays strong and doesn't soften when red hot. It doesn't act as a heat sink in the way that steel cross lock tweezers do and so the clamp tips can smaller so they don't interfere with near by pieces.

These clamps are sold in packs of five or ten blanks of straight 100 mm strips to allow you to bend your own ideal clamp designs as each persons needs and situation is unique. There are a few basic design shown overleaf. Everyone's style is different and each person solders in their own personal way and these clamps can be customised for your own individual use. The titanium strips are fully annealed and can be sawn, files and bent to suit in minutes.

Over the years we've used these for many soldering jobs, holding ear wires whilst soldering, holding bails and jump rings, holding bezels onto back plates, clamping several items together during soldering, holding domes together to for a bead, keeping embellishments still when soldering them onto a curved surface and the list goes on and on.

Making Your Own Clamps

Mark the ends. Draw out and cut whatever sort of end you think you need. You can use a piercing saw with a normal saw blade for cutting and shaping the tips.



Thin ends will be able to get into those hard to reach areas but wider ends will be stronger.



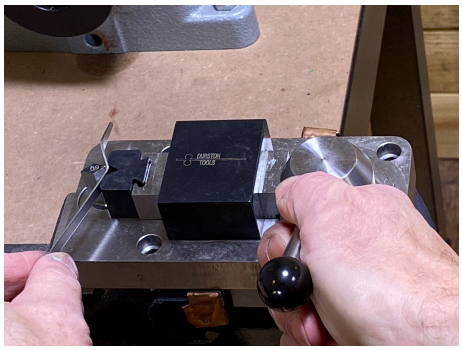
Bend with pliers. Note the ends are bent out so that they come back together when the final shape is made.

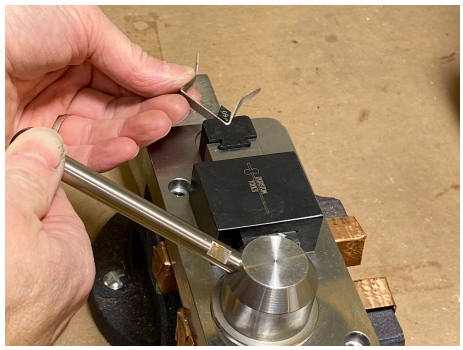


File and smooth the ends and bend into your final shape.



If you have a shank bender like this one pictured here, you can use it to make nice crisp bends





More Ideas

Every jeweller has different soldering situations and you will find new solutions for your individual need. Here are a variety of photographs of different soldering situations showing you how the clamps have been adapted to my need. When soldering domes together to make a ball, the jaws must be parallel otherwise the ones will be forced out.
As you will see from the photos, the tips of the clamps are thin. These pull less heat away so more heat goes to your metal being soldered.







If you come with your ideas just please let us know. Send us some pictures, we would love to share it with the rest of our community. Use social media to reach out to us and post your photos using the hashtags #at_the_bench_uk #atthebench

