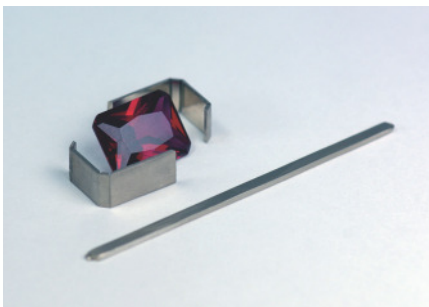


Strong Claws

PUK[®]-welding technology offers alternative, safer methods for setting gemstones



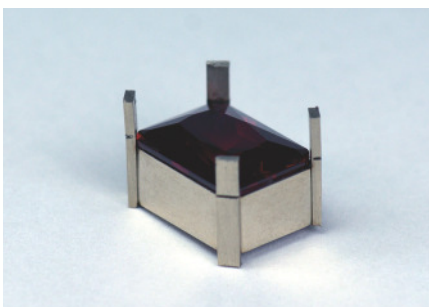
1. Preparation

The parts of the collet are produced in the usual way.



2. Tacking

The parts are tacked together with a few small spot welds. The sides should now be adjusted to the profile of the gemstone.



3. Attaching the claws

A cut is made in the back of the claws at the level of the girdle. With the stone in place it is easy to find the exact position. Now they can be tacked at the back and inside the collet by one spot weld.



4. Soldering

The parts are now held together by the welding spots and can easily be soldered without any binding wire.



5. Setting the stone

The setting can now be cleaned and polished. After inserting the stone the claws can be pushed very easily over the stone surface. The resulting V-cuts must be clean and bright.



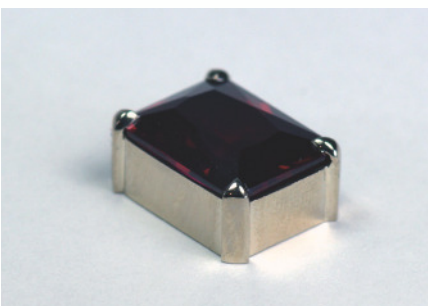
6. Welding

The cuts are filled using a welding wire of the same alloy. To protect sensitive stone surfaces from welding fumes, put a piece of thin paper or duct tape between the stone and the claw.



7. Adjustment

The claws are now shortened and filed. Setting of the stone is now completed.



8. Finish

The final step is cleaning and polishing the claws. By using the same alloy to fill the V-cuts no difference in colour is visible.

Developed by goldsmiths.
The **PUK04**.

