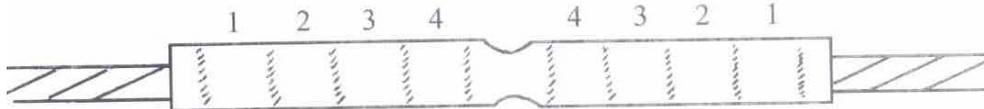


## OPERATING "BIMETAL 4 E" HYDRAULIC TOOL

- 1) Remove tool from case checking there is no oil leaking in the case (if oil is present check pressure with gauge).
- 2) Hold unit in both hands, and pump handle 9 times, at this stage all 4 nibs should be touching each other, release pressure by rotating pump handle anti clockwise and closing handles together, this action will engage the release mechanism at the base of the handle and the 4 nibs will open. "Repeat twice"
- 3) Now we are ready to exert high pressure on the tool with all the operating parts and "O rings" lubricated.
- 4) Pump unit to close nibs (9 pumps) pressure will automatically change over to high pressure with a high pitched sound, now  $2\frac{1}{2}$ -3 pumps should enact by-pass valve and the pressure will fall away, should the tool not reach by-pass stage, do not crimp any fittings as they will be under crimped. If in fact the tool takes 4-6 pumps to by-pass it will over crimp.
- 5) All tools should be checked by an appointed representative (i.e. safety office) every six months for oil leakages and general tightening up (Screws etc.) All tools must be serviced every 12 months. (Oil changed and pressure set) by the supplier.
- 6) **Danger:** Do not engage in repairs and services without first-hand knowledge of hydraulic tools as this could lead to a very expensive repair at a later stage.
- 7) Placing the fitting in the tool pump handles until the fittings is firmly held in place, making sure that the fitting is held by all 4 nibs and that the fitting has not slipped between two nibs.
- 8) On all joints, crimp from the outside towards the middle-stop, making sure you do not crimp that extreme ends.



- 9) Remove cap and insert or apply fitting to conductor (after cleaning and straightening) now pump handles until tool by-passes, you will first feel resistance to your pressure applied and at by-pass, no resistance to you pumping the handles together. Move tool to next set of marks and repeat operation, until all demarcations have been crimped.
- 10) If you have not straightened your conductor before you crimp it, and it does banana, do not try to straighten it by hitting it with a hammer, or the like, leave it alone. You will only do more harm than good.
- 11) Always make sure that the opening of the fitting throat faces out of the crimping head towards the line so that the line can enter straight in.

Open throat connectors



All OPEN THROAT connectors are located in the tool head as shown in the adjacent illustration. The tool nibs are advanced to lightly grip the connector profile at the position where the first crimp is to be made. Subsequent compressions are made by sliding the tool head along the connector.

- 12) The "Bimetal 4 E" Hydraulic tool has been designed exclusively for overhead line fittings, to let it help you take a rest when up the ladder. Hang the tool on the conductor over the fitting when resting.

- 13) After completing crimping your compression fitting onto the line "Do not drop" the tool onto the ground, but let it down slowly or carry it down the step ladder.
- 14) Always replace the crimping tool in the steel carry case after use.

Training courses for the correct operation of the tools as well as installation procedure of Crimp Fittings can be arranged either on site or at our offices. Please liaise with your sales representative to schedule this training.