

## **SEMI-PROFESSIONAL CRIMPING HAND TOOL FOR MODULAR PLUGS**

(Ordering Number K730)

Crimping hand tool K730 is intended for crimping of variety of modular plugs. For that purpose, individual die sets are available for crimping of corresponding type of modular plugs.

### **Die sets for hand tool K730**

Die set number	For crimping of	L × W × H [mm]	Weight [g]
U7301	unshielded 4P modular plugs	29×18×31	70
U7302	unshielded 6P modular plugs	29×18×31	70
U7303	unshielded 6DEC modular plugs	29×18×31	70
U7304	unshielded 8P modular plugs	29×22×31	90
U7305	unshielded 10P modular plugs	29×22×31	90
U7306	shielded 8P modular plugs	29×22×31	90
U7307	shielded 10P modular plugs	29×22×31	90

NOTE: Hand tool and die sets are sold separately.

### **Description**

Crimping hand tools K730 with corresponding interchangeable die sets made of special zinc alloy is intended for universal use in the field as well as for small and medium assemblies.

Hand tool is equipped with full cycle ratchet mechanism which with optimized leverage system within the tools makes working with these tools easy and simple. In case of improper crimp, ratchet release mechanism allows you to easily open the hand tool and remove obstruction before work is continued. (See other page of this manual.)

Tool itself also incorporates possibility of periodical adjustment of the crimping force and tool recalibration via eccentric axle to maintain correct crimp performance. (See other page of this manual.)

Crimping hand tool K730	Length [mm]	Width [mm]	Weight [g]
	210	60	460

### **Die set selection and installation**

With die sets **only** modular plugs of **appropriate type** can be used. Crimping modular plugs of unsuitable type may result with unsatisfactory characteristics of crimped connections and eventually with damaging of the tools and is to be strictly avoided. Prior to crimping, please check the alignment of the modular plug to the die set. Check the alignment of contact crimp comb with contacts (A) and primary (C) and secondary (B) strain relief (if any).

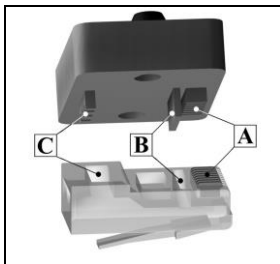


Fig.1.

\*Note: Fig.1. represents unshielded 8P modular plug and corresponding part of die-set. Shielded modular plugs lack primary (3) and secondary (2) strain relief booth and unshielded CAT5 plugs lack secondary (2) strain relief booth. Choose die-sets correspondingly.

Failing to do so will damage modular plugs and possibly die-sets as well.

To install die set, unscrew die set locking screw - B, then fully open handles of the hand tool and squeeze them so much as to allow the allen screw head - A on the die set to fit into its place on the platen - C. Position die set as shown on the Fig.2., insert it into the slot on the hand tool and press it in. After making sure that it is correctly aligned with the hand tool, tighten locking screw - B to prevent die set falling out of its position and check if hand tool opens and closes with no difficulties.

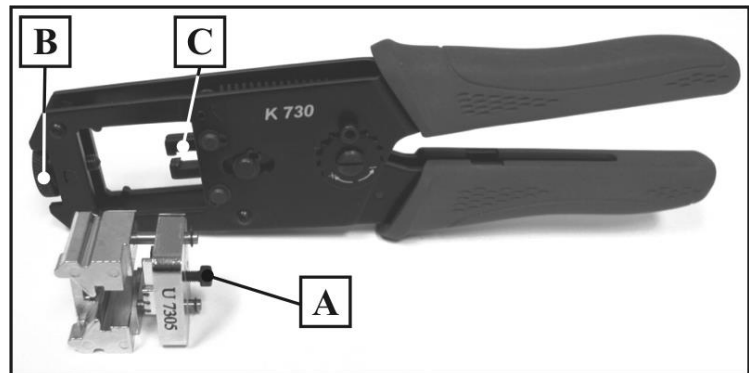


Fig.2.

## **INSTRUCTIONS FOR USAGE AND MAINTENANCE OF CRIMPING HAND TOOL K730**

To obtain best crimping results, trouble-free function and long lifetime of the tool please follow further instructions for usage and maintenance.

### **Terminating procedure**

After cable and modular plug have been prepared, open hand tool and insert modular plug assembly into the opening of the die set (as shown on Fig.1.) until plugs' locking tab (A) snaps into place. Check if modular plug is properly positioned in the die set and slowly close the tool completely until ratchet mechanism is released. Press locking tab (A) on the modular plug and remove crimped connection from the die set.

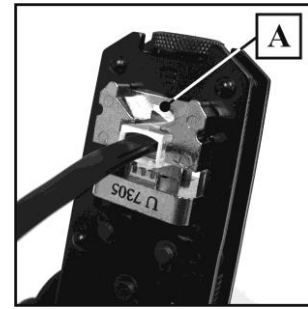


Fig.1.

### **Unblocking the tool**

Should the hand tool become blocked during the work due to faulty crimp or because of presence of a foreign object in the tools' mechanism, the obstruction must be removed before the work with the tool is resumed by performing following actions:

**IMPORTANT: Apply working force on the tool handles while unblocking. It will prevent hurting yourself and possible damages of the tool.**

Using small screwdriver or similar tool, push the ratchet relief (A), located inside moving handle, (Fig. 2.) in direction as shown to unblock the tool, and remove obstruction before continuing with the work. With this tool **only** modular plugs of **appropriate type** have to be used. Crimping modular plugs of unsuitable type may result with unsatisfactory characteristics of crimped connections and eventually with damaging of the tools and is to be strictly avoided.

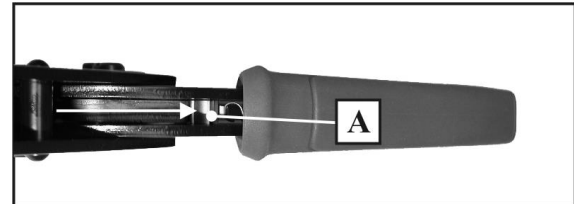


Fig. 2.

Although tools' lever system allows user to exert very high forces, forcing the tool by any means into closed position by applying very large force onto handles is to be **strictly avoided** as it may cause irreparable damage to crimping dies and/or to hand tool itself.

### **Tool regulation procedure**

After prolonged work period, tool crimping performance can change slightly due to final self-adjustment of the tools' components. That is why hand tool is equipped with eccentric axle which allows periodical adjustment of the crimping force and tool recalibration to maintain correct crimp performance.

1. Loosen and remove allen head screw (A) using a 2.5 mm allen wrench. (Fig.3.)
2. Using a screw driver turn eccentric axle (B) and toothed adjustment wheel (C) into new position.  
direction + for enlarging crimping force and reducing gap between crimping dies  
direction - for reducing crimping force and enlarging gap between crimping dies
3. Reinstall allen head screw (A) and tighten it.

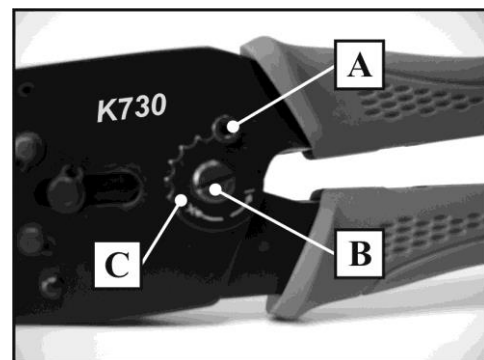


Fig. 3.

### **General remarks**

- Crimping hand tool K730 with corresponding die sets is intended for crimping of modular plugs. Using this hand tool for any other purpose or for crimping any other elements can result in damaging the tool and the elements being crimped and prevention of its normal further functioning for what manufacturer cannot be held responsible.
- For removal of dust, moisture and other contaminants usage of clean brush or soft, lint-free cloth is recommended. Do not use aggressive agents (thinner, alcohol ...) or hard objects that could damage the tool.
- Make sure that during the work bearing surfaces, shafts and pivot points are protected with thin coat of quality machine or motor oil. Do **not** oil excessively.
- When the tool is not in use, store it in a closed position – with handles closed. That will keep other objects from becoming stuck between crimping dies and damaging them. Keep the tool in dry, clean area.