



Operating instructions

HT40 Basic Hand Tool

Customer Manual No.: 411-18589-1 Rev.A
Customer Manual PN: 2-744017-1
Language: en (translation)

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1 Revision history

Rev.	Date	Description	Name
A	12.05.2015	First version	Levin Sandhu

Tab. 1 : Revision history

2 Introduction

2.1 About this operating manual

These operating instructions describe the use and operation of the HT40 Hand tool and the necessary maintenance measures. All persons using the Hand tool must therefore be familiar with these operating instructions and follow them. It should be stressed that the operating instructions for the HT40 Hand tool are essential.

These operating instructions must be available with the Hand tool at all times. The Hand tool owner/user is obliged to supplement these operating instructions with instructions in line with existing national regulations for the prevention of accidents and environmental protection.

These operating instructions apply to the following Hand tool from TE Connectivity:

- HT40 Basic Hand Tool: TE PN 4-1579000-0

2.2 Intended use

The HT40 Basic Hand tool can process the widest range of crimp contacts using different crimping dies, up to a cross-section of 120 mm².

3 Description

3.1 Functional description

Basic Hand tool for the use of exchangeable crimping dies up to a maximum cross-section of 120 mm². The linear hub with integrated fast feed ensures precise work. The gear ratio of the tool enables a high crimping force of 35 kN with low manual force. Crimping dies can be exchanged quickly and without tools using the hinged adapter.

A releasable ratchet ensures high crimping quality.

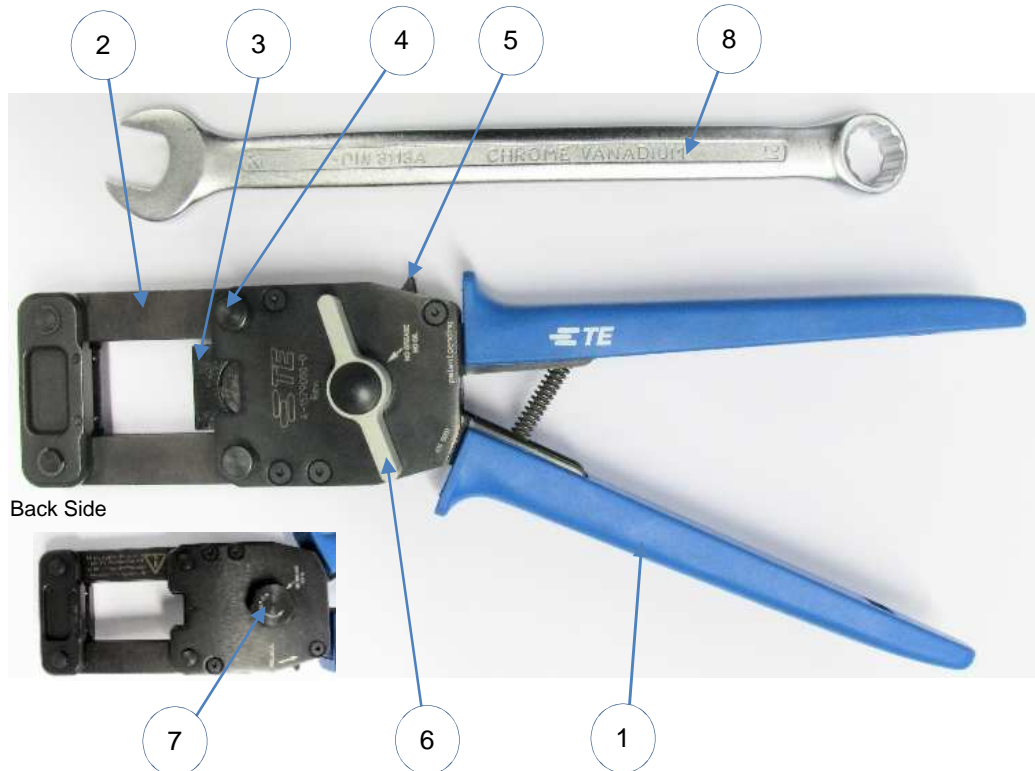


Abb. 1 : The hand tool

Item	Description	Item	Description
1	Handle	2	Crimping head/Upper die holder
3	Lower, movable die holder	4	Locking pin
5	Releasing lever	6	Fast feed lever
7	Releasing pin SW 21	8	Combination spanner SW 21

Tab. 2 : Hand tool components

4 Changing the dies

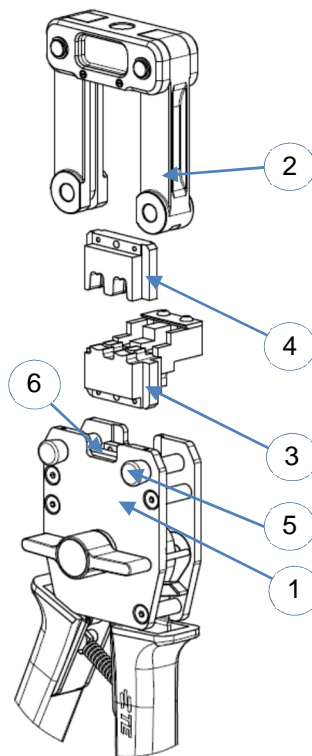


Abb. 2 : Exploded diagram

No.	Description	No.	Description
1	Hand tool basic body	2	Crimping head/Upper die holder
3	Lower die	4	Upper die
5	Locking pin	6	Lower, movable die holder

Tab. 3 : Hand tool components

4.1 Installing dies

- Select the crimping die that you require.
- Open the tool grip and check that the movable die holder is completely retracted.
- Pull both locking pins out until the stop.
- Remove the crimping head.
- Position the lower die in the lower die holder until it has engaged.

NOTE

Ensure that the die label points in the direction of the fast feed lever.

- Position the upper die in the crimping head until it has engaged.

NOTE

Ensure that the die label points in the direction of the fast feed lever.

- Insert the crimping head into the hand tool basic body again.
- Press the locking pins until the stop.

4.2 Removing dies

- Open the tool grip and check that the movable die holder is completely retracted.
- Pull both locking pins out until the stop.
- Remove the crimping head.
- Remove both crimping dies.
- Insert the crimping head into the hand tool basic body again.
- Press the locking pins until the stop.

5 Operation

5.1 Crimping terminals

This process can be taken from the operating manual of the corresponding crimping die.

5.2 Fast feed

It is possible to drive the movable die holder more quickly into the position that you require using the fast feed lever. Only one further step is needed for this.

- Rotate the fast feed lever anticlockwise until you have reached the position that you require.

5.3 Early release

If a release of the hand tool must be carried out, this is possible in a few steps. Depending on the progress of the crimping or the extent of the hand tool loading, two situations are possible:

Situation 1: Very low or no loading of the hand tool

- Press the releasing lever downwards and keep this pressed.
- Rotate the fast feed lever clockwise until the movable die holder is in the initial position.

NOTE

Do not use the terminal in the case of early release!

Situation 2: High loading of the hand tool

- Press the releasing lever downwards and keep this pressed.
- Position the combination spanner on the releasing pin on the back side.
- Now rotate this anticlockwise until the movable die holder is in the initial position.

NOTE

Do not use the terminal in the case of early release!

6 Customer Service, EMEA Service Hotline

Please contact us for all service enquiries or technical support:

Monday – Thursday 8am to 4pm
Friday 8am to 2pm
Tel. +49 (0) 6151 607 -1518
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Additional information and contacts can also be found on the Web.

Visit us at: <http://tooling.te.com/>

7 Maintenance and servicing

7.1 Daily maintenance

The following daily maintenance tasks should be performed by the responsible operator:

- Use a soft, clean brush or a lint-free cloth to remove dirt, dust, moisture and other residues from the hand tool. Do not use any hard or abrasive tools or materials that could damage the hand tool.
- Apply sewing-machine oil to all pivot points and bearing surfaces. Do not lubricate excessively.
- If the hand tool is not needed, store it in a clean and dry location.

7.2 Periodic inspection

- The hand tool should be inspected periodically by suitably qualified staff according to the level of use, and the inspections should be documented.
- Check the hand tool for wear and damage, particularly in the area of the crimp nests.