

Operating Instructions

Hydraulic Foot Pump HFP1 & SWA range of crimping & cutting heads

HFP1

Two stage foot hydraulic foot pump for use with the SWA range of crimping and cutting heads.

Output: 700 bar / 10,000 psi



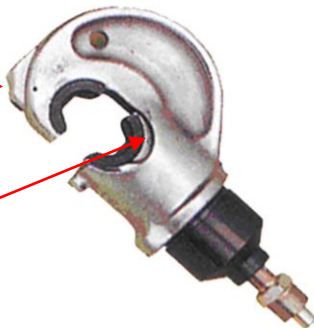
HCH10400

To accept hexagonal crimp dies for copper terminals 10 to 400mm²

Output: 12 ton

Top die retaining button

Bottom die retaining button



Hexagonal crimp dies for HCH10400 & HCH10630

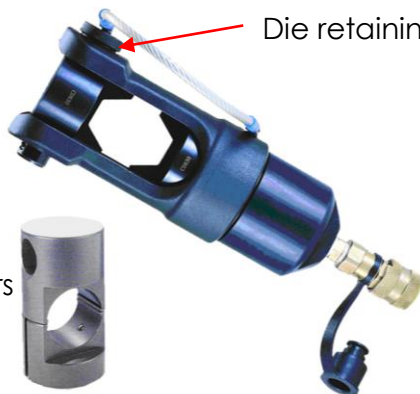


HCH10630

To accept hexagonal crimp dies for copper terminals 10 to 630mm²

Output: 23 ton

Die retaining bolt



Die adaptors
For dies
10-400mm²



HC85

Hydraulic cable cutting head suitable for copper/aluminium cable
Unarmoured cable - max. 85mm diameter
Armoured cable - max. 50mm diameter
Cutting force: 7.5 ton



HC100

Hydraulic cable cutting head suitable for copper/aluminium cable
Unarmoured cable - max. 100mm diameter
Armoured cable - max. 75mm diameter
Cutting force: 7.5 ton

Maintenance:

Check heads regularly for damage or dirt. Please clean after use.

Oil levels and pressure to be checked periodically. Oil: Shell Tellus T15 or equivalent

Repair/servicing and calibration service available from SWA Ltd.



Keep hands away from closing dies or moving blades



PREPARATION

Ensure that all couplings between the foot pump and any head are fully inserted and tightened prior to operation.

HCH10400 crimping head

1. Select the appropriate die for the terminal to be crimped.
2. Press the top die retaining pin and insert one half of the die centrally into the head. Release the button and ensure the die is firmly located before proceeding.
3. Press the die release button located in the ram to fit the bottom die, again ensuring the die is firmly located prior to proceeding. The ram may need to be operated one or two cycles to access the bottom die release button.
- Ensure the ram is not operated fully without dies to prevent damage to the head.
4. Insert the appropriate termination between the dies ensuring that the correct combination of conductor, termination and die are being used. (Terminal sizes are shown on the dies as well as the SWA terminations to ensure correct combinations are used.)
5. Pump can now be operated – see below **“Operating the HFP1 foot pump”**

HCH10630 crimping head

1. Pull out the die retaining bolt and insert the lower die, or die adaptor, and align the groove in the die or adaptor with the two guide pins in the head.
2. Insert the upper die or die adaptor into the head and insert the die retaining bolt in the head and through the upper die or adaptor.
- Ensure the die retaining bolt has been fully inserted prior to operating the foot pump.
3. Insert the appropriate termination between the dies ensuring that the correct combination of conductor, termination and die are being used. (Terminal sizes are shown on the dies as well as the SWA terminations to ensure correct combinations are used.)
4. Pump can now be operated – see below **“Operating the HFP1 foot pump”**

HC85/ HC100 cable cutting heads

1. Insert the conductor between the blades up to the desired cutting point. For a running conductor, remove the locking pin and open the tool head.
- Warning: fully retract the lower blade before opening the cutting head
2. With the conductor on the lower blade, close the tool head and fully insert the locking pin.
3. Ensure blades are positioned on the desired cutting point and proceed to operate pump as detailed below – **“Operating the HFP1 foot pump”**

Operating the HFP1 foot pump

1. Ensure all couplings are fully inserted and tightened between the appropriate head and foot pump before proceeding. There may be air in the system on the initial operation of the pump, but pump through cycle and then release will expel this air before looking to use the tool.
2. Dependent upon which head is fitted to the pump, refer to the appropriate instruction above.
3. To operate the pump, continue to depress the foot pedal until optimum pressure is reached. At this point the unit will 'click' and pressure can then be released by depressing the trigger located beneath the operating foot pedal.

SWA cannot accept liability for damage or injury caused through incorrect operation or lack of maintenance of the equipment