

FDZ400

Hydraulic Crimping Press Operating Manual



Product Description

Ferrules Direct's FDZ400 hydraulic crimping press is a versatile, heavy duty machine capable of crimping wire ferrules ranging from 8AWG to 750MCM (10 to 400mm²) as well as terminals and connectors ranging from 1AWG to 750MCM (50 to 400mm²).

- **Versatile:** Die sets can be changed in seconds, A full selection of crimping die sets (sold separately) complement the FDZ400.
- **Powerful:** With 12 Tons of compression force, the FDZ400 can crimp all types of connectors including: wire ferrules, compression lugs, open barrel terminals, and flag terminals.
- **Heavy Duty:** A Veritable work horse, the FDZ400 press is ideal for crimping large quantities of terminals
- **Light Weight:** Weighing only 13.5lbs. (6.1kg), the FDZ400 crimping press can easily be transported from one location to another.

Maintenance and Storage

Model # **FDZ400**

Output Force 12 Tons

Crimping Mechanism Hydraulic

Crimping Range Wire Ferrules: 8AWG to 750MCM

(10 to 400mm²)

Lugs and other connectors: 1 AWG to 750MCM

(50 to 400mm²)

Oil NO. 32 Mechanic Oil

Weight 13.50 lbs

(6.1 kg)

Installation and Operation

1. Insert both halves of a compatible die set
2. Turn the oil return screw to the "ON" position (right)
3. Set the compression lug and wire in between the two halves of the die set
4. Pump the handle until the terminal is crimped
5. Turn the oil return screw to the "OFF" position (left), releasing the oil pressure and lowering the piston
6. Remove the crimped wire and terminal



Optional Dies



SCD1-1 SCD1-2 SCD1-3 SCD1-4



SCD1-5 SCD1-6 SCD1-7 SCD1-8



SCD1-9 SCD1-10 SCD1-11 SCD1-12



SCD1-13 SCD1-14 SCD1-15 SCD1-16



SCD1-17 SCD2-1 SCD2-2 SCD2-3

Optional Dies



SCD2-4 SCD2-5 SCD2-6 SCD2-7



SCD2-8 SCD2-9 SCD2-10 SCD2-11



SCD2-12 SCD2-13 SCD3-1 SCD3-2



SCD3-3 SCD3-4 SCD3-5 SCD3-6



SCD3-7 SCD3-8 SCD3-9 Die Bundle

Safety Information

- Use the FDZ400 for recommended uses only, according to the manufacturer's instruction manual. Improper applications can create hazards.
- Refer to the manufacturer's instruction manual for specific crimping information prior to using this product.
- Maintain a clean and well-lit workspace.
- Keep bystanders clear of your workspace during assembly and operation.
- Do not assemble or operate when tired or when under the influence of intoxicants.
- Do not operate the FDZ400 in environments with high temperature or humidity, recommended operating conditions: 30-100°F.
- Always maintain proper footing and balance, ensuring better control during operation and assembly.
- During operation wear ANSI-approved safety goggles and heavy-duty work gloves.
- Keep hands and fingers away from the crimping die set and moving parts during operation. This tool creates approximately 12 tons of crimping force.
- NEVER attempt to crimp wires connected to a live electrical circuit.

Maintenance and Service Notes

- Equipment Medium: NO 32 Mechanic Oil
- Lubricate moving parts every 10,000 crimping cycles, adding a few drops of a normal lubricant used for this purpose.
- Every few months, check that all bolts and screws are properly tightened.
- When not in use unplug the hydraulic pedal, block open ports with dust caps, and seal the hydraulic pedal.
- Store the FDZ400 in a dry, cool place and cover it with a suitable blanket to avoid dust and possible rust spot.



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Have any Questions?

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