# **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 400mm<sup>2</sup>) as well as terminals and connectors ranging from 1AWG to 750MCM (50 to 400mm<sup>2</sup>).

- **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

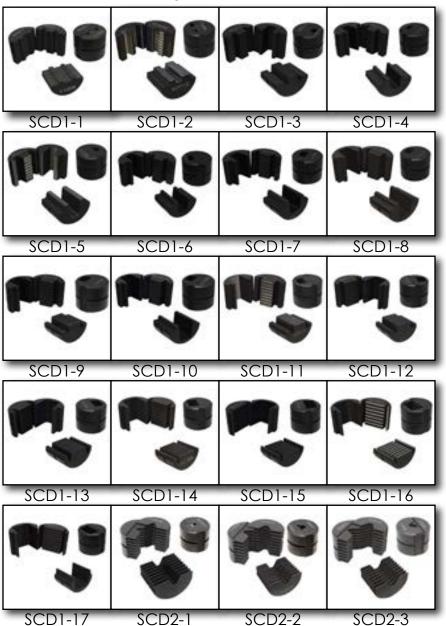
Model #	FDZ400
Output Force	12 Tons
Crimping Mechanism	Hydraulic
Crimping Range	Wire Ferrules: 8AWG to 750MCM
	(10 to 400mm²)
Lug	s and other connectors: 1 AWG to 750MCM
	(50 to 400mm <sup>2</sup> )
Oil	NO. 32 Mechanic Oil
Weight	
	(6.1 kg)

#### **Installation and Operation**

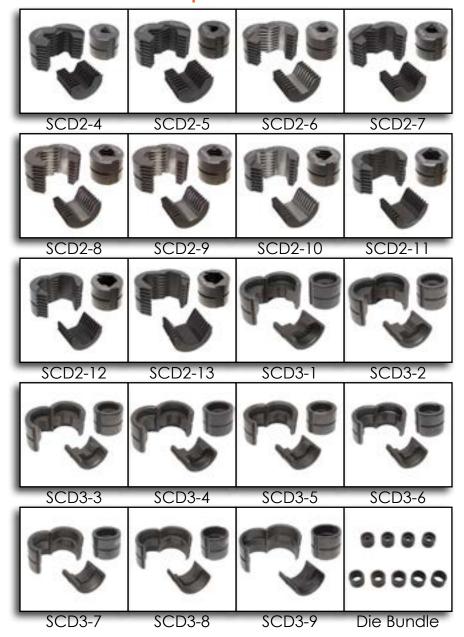
- 1. Insert both halves of a compatible die set
- 2. Turn the oil return secrew to the "ON" position (right)
- 3. Set the compression lug and wire in betwen the two halves of the die set
- 4. Pump the handle until the terminal is crimped
- 5. Turn the oil return screw to the "OFF" position (left), releasing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



### **Optional Dies**



#### **Optional Dies**



#### **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, recomended 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.

5



#### Find us on social media!

Facebook.com/FerrulesDirect
Twitter.com/FerrulesDirect
Instagram.com/FerrulesDirect
Youtube.com/FerrulesDirect

## **Have any Questions?**

Sales@FerrulesDirect.com