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› AMZCNC Professional V-Contour Hydraulic Crimping Pliers Instruction Manual

AMZCNC V-Kontur

AMZCNC Professional V-Contour Hydraulic Crimping Pliers

Model: V-Kontur | Brand: AMZCNC

1. INTRODUCTION

Welcome to the instruction manual for the AMZCNC Professional V-Contour Hydraulic Crimping Pliers. This tool is engineered for creating secure, leak-proof connections on various pipe materials, including copper, carbon steel, and stainless steel. It features a robust hydraulic system designed for efficiency and reliability in professional applications. Please read this manual thoroughly before operation to ensure safe and effective use of the tool.



Image 1.1: The AMZCNC Professional V-Contour Hydraulic Crimping Pliers. This image shows the overall design of the tool, highlighting its sturdy construction and ergonomic features.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- **Read the Manual:** Always read and understand the entire instruction manual before operating the tool.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety glasses, gloves, and sturdy footwear, to protect against potential hazards.
- **Work Area:** Ensure your work area is clean, well-lit, and free from obstructions. Keep children and bystanders away during operation.
- **Tool Condition:** Inspect the tool for any damage or malfunctions before each use. Do not operate a damaged tool.
- **Hand Placement:** Keep hands and fingers clear of the crimping jaws and moving parts during operation to prevent pinching or crushing injuries.
- **Intended Use:** Use the tool only for its intended purpose of crimping pipes. Do not modify the tool or use it for unintended applications.
- **Storage:** Store the tool in its original case in a dry, secure location, out of reach of children, when not in use.

PRODUCT DETAILS



Image 2.1: Detailed view of the crimping pliers. Note the warning label on the tool body, emphasizing the importance of reading instructions and protecting oneself.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

Item	Quantity
Hydraulic Crimping Pliers	1 piece
V-Contour Crimping Jaws (12mm, 15mm, 18mm, 22mm, 28mm)	5 pairs (or 4 pairs if 28mm is integrated, based on image)
Carrying Case	1 piece
Instruction Manual	1 piece

Item	Quantity
Spare Seal	1 piece



PARTS LIST

CRIMPZANGE 1 STÜCK

CRIMPMATRIZE 4 STÜCK

KOFFER 1 STÜCK

ERSATZDICHTUNG 1 STÜCK

HANDBUCH 1 STÜCK

Image 3.1: The complete AMZCNC crimping pliers kit. This image shows the hydraulic crimping tool, various V-contour crimping jaws, the instruction manual, and a spare seal, all organized within a durable carrying case.

4. SETUP

Before beginning any crimping operation, ensure the tool is properly set up.

1. **Select Correct Jaws:** Identify the appropriate V-contour crimping jaws for the pipe size you intend to crimp (12mm, 15mm, 18mm, 22mm, or 28mm).
2. **Open Crimping Head:** Rotate the crimping head to the open position.

3. **Insert Jaws:** Carefully insert the selected crimping jaws into the head, ensuring they are seated correctly and securely.
4. **Close Crimping Head:** Rotate the crimping head back to the closed position, securing the jaws in place.



Image 4.1: V-contour crimping jaws. This image displays the various sizes of V-contour crimping jaws (V12, V15, V18, V22, V28) that are compatible with the tool, essential for selecting the correct size for your pipe.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective crimping:

1. **Prepare Pipe and Fitting:** Ensure the pipe end is clean, deburred, and correctly inserted into the fitting.
2. **Position Tool:** Place the open crimping jaws around the fitting, ensuring the jaws are centered over the crimping area.

3. **Initiate Crimping:** Slowly and steadily pump the handles of the tool. You will feel resistance as the jaws begin to close and crimp the fitting.
4. **Complete Crimping:** Continue pumping until the jaws are fully closed and the crimping process is complete. Do not over-crimp.
5. **Release Pressure:** Rotate the 'Reset' knob (typically located near the handle) to release the hydraulic pressure. The jaws will then open.
6. **Remove Crimped Pipe:** Carefully remove the crimped pipe and fitting from the tool.
7. **Inspect Crimp:** Visually inspect the crimped connection to ensure it is uniform and secure.

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Image 5.1: Operating sequence for the crimping pliers. This visual guide demonstrates the process from opening the jaws and inserting the pipe to applying pressure and releasing the crimped connection, ensuring a proper seal.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AMZCNC Hydraulic Crimping Pliers.

- **Cleaning:** After each use, clean the tool, especially the crimping jaws, to remove any debris or residue. Use a clean cloth; avoid harsh chemicals.
- **Lubrication:** Periodically apply a light coat of machine oil to the moving parts and pivot points to ensure smooth operation.
- **Inspection:** Regularly inspect the crimping jaws for wear, damage, or deformation. Replace worn jaws to maintain crimping quality. Check the tool body for cracks or damage.
- **Hydraulic System:** While the hydraulic system is designed for stability, if you notice any oil leakage or a decrease in pressure, contact customer support for professional servicing. Do not attempt to repair the hydraulic system yourself.
- **Storage:** Store the tool in its protective carrying case in a dry, cool environment to prevent rust and damage.

7. TROUBLESHOOTING

If you encounter issues with your crimping pliers, refer to the following common problems and solutions:

- **Incomplete Crimp:**
 - Ensure the correct size of crimping jaws is used for the pipe and fitting.
 - Verify that the pipe and fitting are fully seated within the jaws.
 - Ensure sufficient pressure is applied by fully pumping the handles until the jaws close completely.
- **Tool Not Resetting/Jaws Not Opening:**
 - Ensure the 'Reset' knob is fully rotated to release hydraulic pressure.
 - Check for any obstructions preventing the jaws from opening.
- **Oil Leakage:**
 - If you observe oil leakage from the hydraulic system, discontinue use immediately.
 - Contact AMZCNC customer support for assistance. Do not attempt to repair the hydraulic system yourself.

For issues not covered here, or if troubleshooting steps do not resolve the problem, please contact AMZCNC customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	AMZCNC
Model Number	V-Kontur (AMZ-1632 Green)
Crimping Force	80 KN (8T output pressure)
Crimping Range	12mm, 15mm, 18mm, 22mm, 28mm (V-Contour)
Compatible Pipe Materials	Copper, Carbon Steel, Stainless Steel
Product Dimensions	41 x 18 x 0.1 cm

Feature	Specification
Item Weight	5.13 Kilograms
Material	Alloy Steel
Handle Material	Stainless Steel
Color	Green
Batteries Required	No

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact AMZCNC customer service through the retailer where the product was purchased or refer to the official AMZCNC website for contact details. Please have your product model number (V-Kontur) and purchase date available when contacting support.

