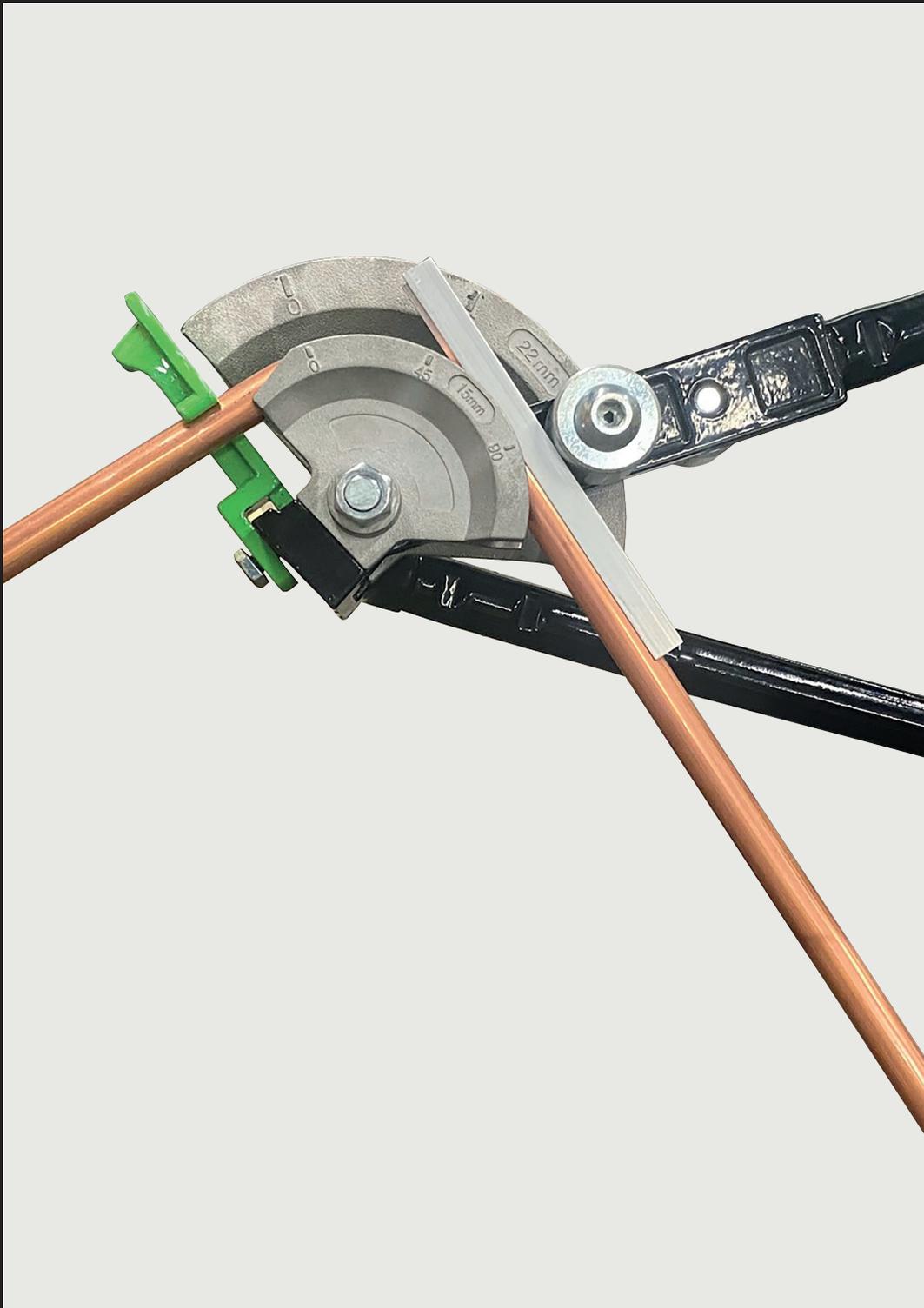


# TUBE BENDERS

## HIL-GLM TUBE BENDERS INSTRUCTION MANUAL



<sup>®</sup>  
HIL-GLM

## FORMERS AND GUIDES FOR MANUAL BENDERS

Formers and guides normally supplied with Hilmor bending machines.

### HOW TO SELECT

Select the type of material to be used, then material size which identifies the correct line. Select the former disc and guide to suit your pipe size. For requirements outside these limits please contact Diversitech's sales team on +44(0)115 900 5858.

### FORMERS AND GUIDES

A comprehensive range of Hilmor's formers and guides are available in both metric and imperial sizes, and can bend a wide variety of materials including copper, conduit and steel pipe, depending on the bending machine being used.

### BENDING MACHINES

Hilmor's pipe benders are constructed from welded steel, giving them the high strength required for a long life even in a tough environment. We provide: Hand Bending Machines, A Frame Electrical Conduit Benders and Tube Benders.

### TUBE BENDERS

Hilmor tube benders are made from strong precision diecastings with integral formers and guides. lightweight and easy to use, these benders are suitable for bending three sizes of copper, brass and aluminium.

### TRI-TUBE BENDERS

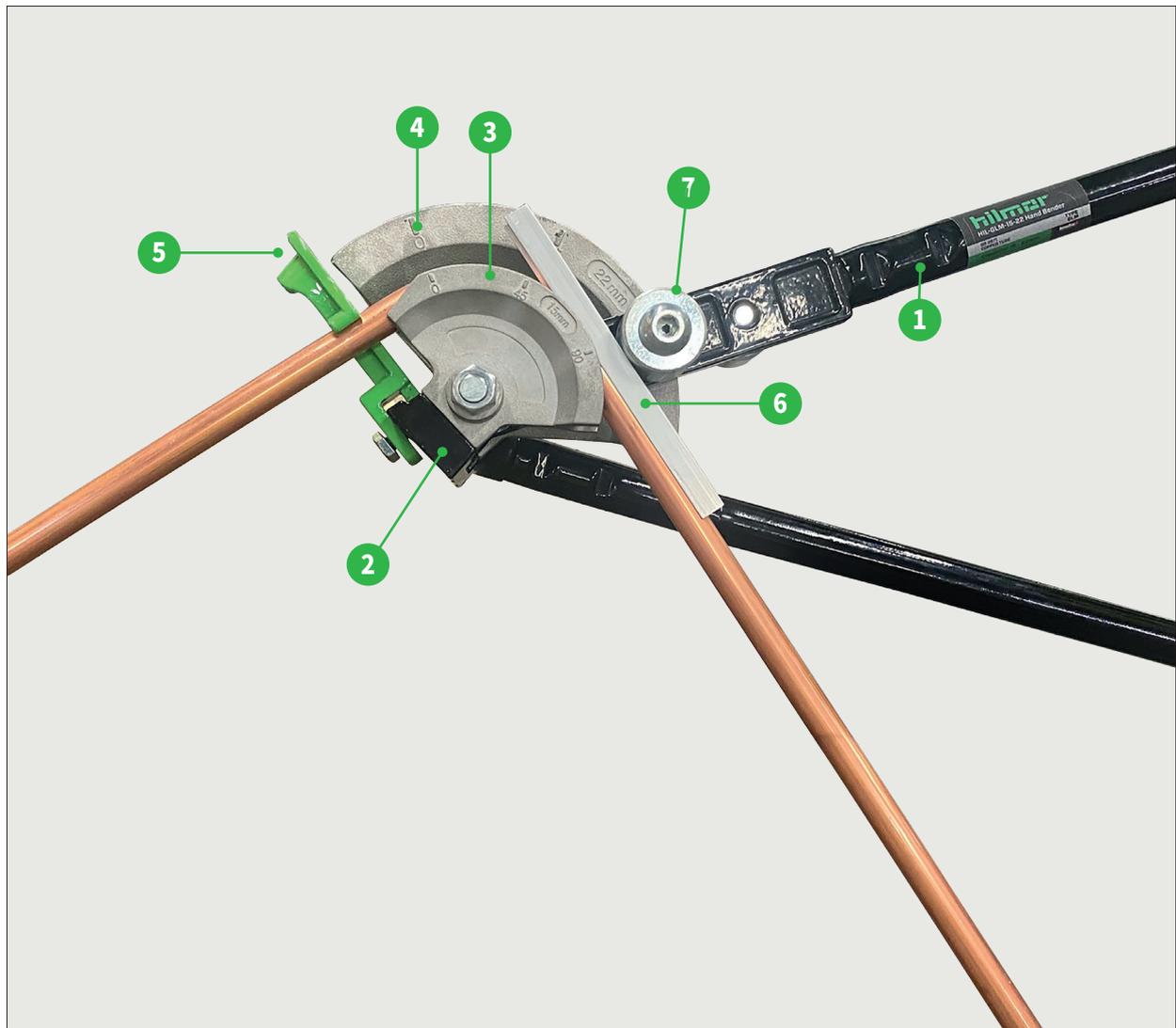
The Hilmor Multi-Mini bender is a small lightweight bender that is able to produce bends of 90 degrees in 1/4", 3/16", 5/16" and 3/8" copper tube.

### CM RANGE

The Hilmor CM range of tube benders is easily portable and is supplied with aluminium formers as standard making it one of the lightest A frames on the market.



## GLM OPERATING INSTRUCTIONS

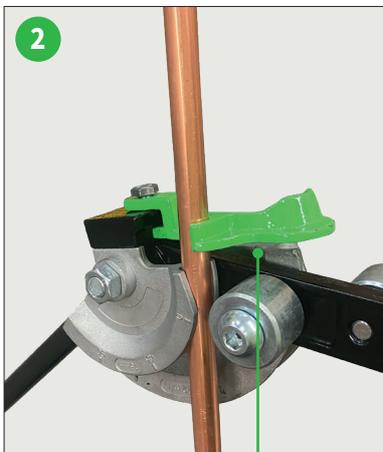


1. Position the swivel arm **(1)** at right angles to the centre line of the former housing bracket **(2)**.
2. Place the tube to be bent in the groove in the former **(3)** 15mm, or **(4)** 22mm, while at the same time ensuring the tube engages in the radiused profile of the tube locator **(5)**.
3. Slide the end of the guide **(6)** and move the swivel arm until the roller **(7)** lightly engages with the guide face.
4. Check that the length of tube protruding is such that the bend will be at the point required, then proceed to bend by applying pressure to the end of the swivel arm.

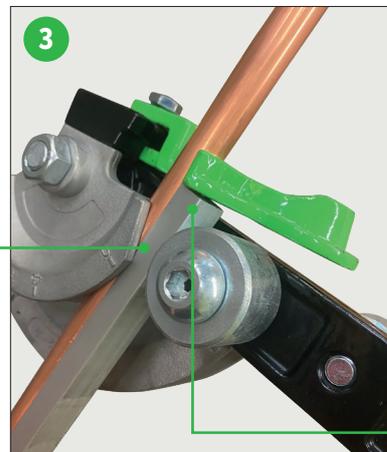
## GLM OPERATING INSTRUCTIONS



1 Place pipe between roller and former disc



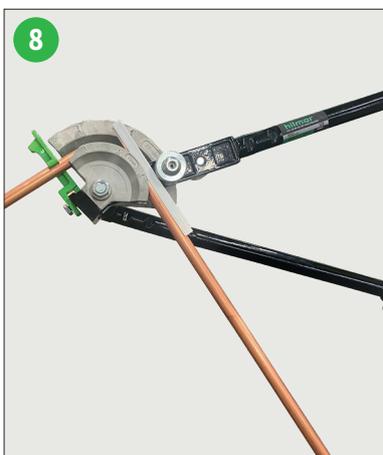
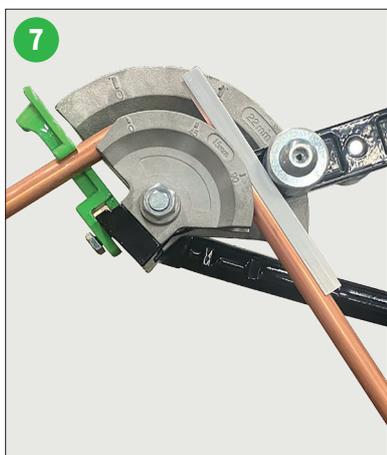
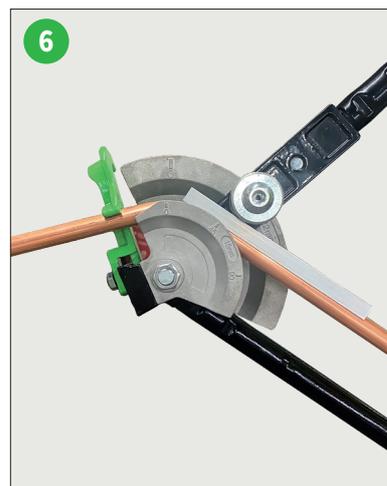
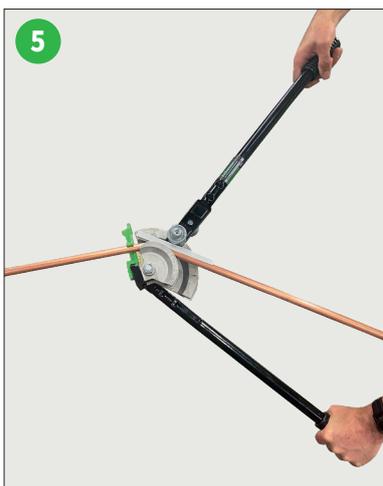
2 Move the locator arm over the pipe



3 Slide pipe guide between former disc and roller (ensure guide is pushed up to the tube locator)



4 Holding one arm in each hand, bend the pipe (4, 5, 6, 7 and 8)



9 Use the 45° and 90° markers on the former disc as a guide when bending



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