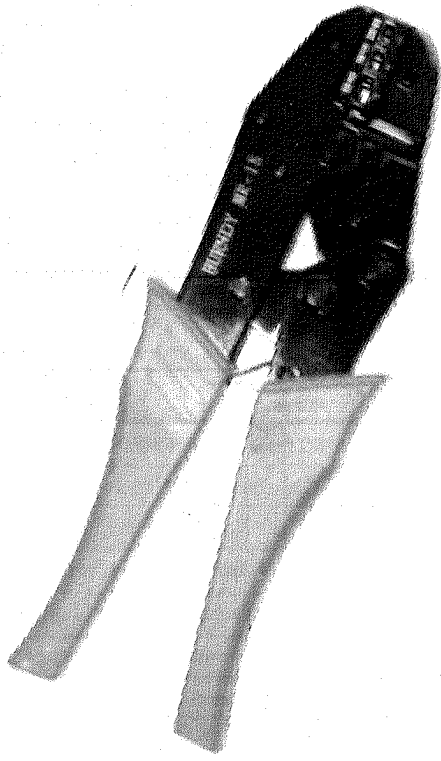


SAFETY	HYTOOL™ MECHANICAL RATCHET TOOL
OPERATING & MAINTENANCE	
INSTRUCTIONS	
	CAT # MR15, 18, 20



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## SAFETY FIRST

# ⚠️ WARNING



The information provided in this manual is essential for the safe handling, operation, and maintenance of BURNDY® hand tools. The operator must read, understand, and follow these instructions and ALL safety warnings and labels before operating this tool. Only use this tool in accordance with the manufacturer's specifications. Other use of this tool may lead to serious personal injury or death.

Tools are NOT insulated for use on or near energized conductors. Use of these tools near energized conductors may lead to electrical shock, causing severe injury or death. Do NOT use these tools near energized conductors without adequately insulating operator and surroundings.



Pinch point hazard. Tool jaws move at high force and can cause severe personal injury. To avoid personal injury, keep all body parts away from moving parts of the tool during operation.

Use all appropriate personal safety equipment when handling, operating, and servicing this tool, including but not limited to eye protection and gloves.

## FEATURES & BENEFITS

FEATURES	BENEFITS
Color coded dies (MR 15 & 18 only)	Allows easy groove identification
Compact narrow nose	Allows work in confined areas
Comfort grip handles	Helps reduce fatigue during common use
Emergency release mechanism	Allows tool to be removed from connector
5 Year warranty	Assures dependable operation and long life
UL Listed	Use with Burndy® connectors
Fully ratcheted tool	Assures properly crimped connectors

## SPECIFICATIONS

Length: 8.75 in (254 mm)

Width: 3 in (19 mm)

Weight: 1 1/4 lb (.6 kg)

Recommended handle force: 15 to 35 lbs



## DESCRIPTION

The BURNDY® MR 15-18-20 HYTOOL™ incorporates a full cycle ratchet mechanism that provides a complete, positive crimp each time. Once started the ratchet mechanism does not allow the handles to be opened until after the full ratcheting cycle is completed, unless the user actuates the emergency release lever. This provides for a completed crimp before a connector can be removed from the tool.

## TOOL IDENTIFICATION

The MR15-18-20 have common tool frames with different die sets for each tool. To identify your tool, look at the tip of the jaws for the individual catalog numbers shown on the individual die.

## MRTOOLKIT:

If you purchased an MRTOOLKIT follow these instructions when changing dies. The nest portion of the die set is always installed in the top fixed side of the tool jaw with the catalog number facing outward. The indenter portion is always installed on the bottom movable side of the tool jaw with the catalog number facing out. To ensure proper die installation, look at the front angled edge of the die set and make sure that the catalog numbers are visible.

## OPERATION

1. Open the tool. Place the terminal into the correct die nest.
2. Partially close the tool until the terminal is held in place.
3. Insert the wire into the terminal.
4. Close the tool until the ratchet releases.

## HOW TO ADJUST

It is sometimes necessary to adjust the crimp force.

1. Remove the allen key bolt from the eccentric axle.
2. Lift off the toothed lock washer.
3. Turn the axle in the proper direction to loosen or tighten tool adjustment. Maximum tightness is accomplished when flat surface of axle faces the locking tooth.
4. Replace lock washer and bolt.
5. Check preload against recommended handle force.

## MAINTENANCE

The service life of a tool can be greatly improved with proper care and maintenance. To extend the life of your BURNDY® MR mechanical crimp tool keep it clean and well lubricated. Inspect the tool prior to, and after each use for dirt, grease, oil, oxide inhibitors (Penetrox™), and other foreign materials. Should any of these exist, clean the tool using a high quality solvent type cleaner. After each cleaning, wipe the tool dry and lubricate with a high grade silicone spray.

## SERVICE

Other than the maintenance tasks described above, these tools are NOT user serviceable. Complete disassembly of the tool is not recommended. Should service be required, return the tool to the FCI Tool Service Center or an FCI authorized tool repair center. Call 1-800-426-8720 for additional information.