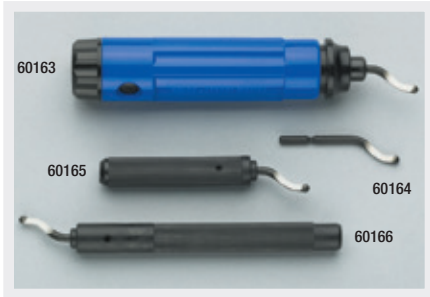


1. CHARGING SYSTEMS  
 2. GAUGES  
 3. RECOVERY MACHINES  
 4. VACUUM PUMP SYSTEMS  
 5. VACUUM AND CHARGING HOSES  
 6. HOSE ADAPTERS, VALVES & PARTS  
 7. WIRELESS AND ELECTRONIC INSTRUMENTS  
 8. LEAK DETECTORS AND MONITORS  
 9. HEATING INSTRUMENTS  
 10. SYSTEM TOOLS

## TUBE DEBURRING TOOL

For fast deburring, rotate blade.



UPC#	Description
60163	Deburring tool with spare blades
60164	Replacement blade for 60163
60165	Economy deburr for 60139 tube cutter
60166	Economy deburr for 60146 tube cutter

## TUBE REAMER/BURR REMOVER

Steel blades remove inner and outer burrs.



UPC#	Description
60161	Tube reamer - 1/16" up to 1-3/8" O.D.

## PREMIUM TUBE CUTTERS



Retracted



Extended



Spare blade stored in handle

Enclosed precision feed mechanism for easy, smooth cutting.

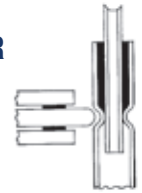
- Wide rollers with flare cut-off groove for convenience. Ground surface for easy rolling
- Wheel retracts into cutter body to save 1" in cutting radius
- Textured finish is easy to grip and hold
- Alloy steel wheels have a sharper cutting wheel edge for less burr on copper, aluminum and mild steel tubing
- Wheels are pinned to rotate in either direction without the screw backing out
- Corrosion-resistant finish on lightweight aluminum frame



- Fold away steel reamer with turned cutting edge for deburring
- Flare cut-off groove for quickly removing damaged flare
- Small and large sizes available
- Conforms to Fed. Spec. GGG-C-771-d, 1-31, 64. Type II, Class 1.

## CONSTRUCTOR/CUTTER

Cutter modified with blunt wheel to roll down the tube O.D.



UPC#	Description
60101	Small cutter* for 1/8" to 1-1/8" O.D.
60102	Large cutter* for 1/4" to 1-5/8" O.D.
60103	Constrictor/cutter for 1/4" to 1-1/8" O.D.

Spare parts listed on page 104

## HEAVY DUTY MINI-CUTTERS

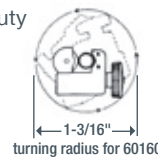


Mini-cutters are compact yet easy to grip and feature large rollers and flare cut-off groove.

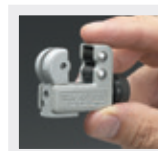
**Mini-cutter 60121** for heavy-duty cutting from 1/4" to 7/8" O.D.

**Small Mini 60160** cuts 1/8" to 5/8" with a turning radius of only 1-3/16".

**Big Mini 60142** cuts from 1/4" to 1-1/8" O.D.



1-3/16" turning radius for 60160



UPC#	Description
60160	Small Mini for 1/8" to 5/8" O.D.
60121	Mini-cutter for 1/4" to 7/8" O.D.
60142	Big Mini for 1/4" to 1-1/8" O.D.

Spare parts listed on page 104