

### **Tubing Tools**

#### Tube Bender Kit - Ratchet

#### **Features**

- Produces accurate angles.
- Simple to use, one hand operation!
- Ideal for tube bending in restricted spaces.
- Applications: plumbing, heating, refrigeration, air-conditioning.
- Designed for soft copper tubing

#### Kit includes:

- Mechanical Ratchet tool
- 7 Easily interchangeable, low friction, yet durable former plates
- 3 side supports with rotating block sets to accommodate different tube sizes
- Protective carrying case
- Free tube cutter & reamer.



Part #	Description
46-TB250	Sizes 1/4" 5/16" 3/8" 1/2" 5/8" 3/4" & 7/8"

# Spring Type Tube Bender

Ideal for irregular bends, these spring type benders are available in single springs and packaged sets. Used for soft copper, aluminum, brass, and steel.



#### Tube Expander Kit

The high strength, forged aluminum body make for lower weight and easy handling of our expander set. The longer lever arms reduce effort and the automatic pin guide retracts for faster operation. The set includes expander with riveted expander heads in 3/8", 1/2", 5/8", 3/4", 7/8", and 1-1/8", internal/external deburring tool, steel case.

### Single Size Swage

Part #	Tube O.D.	Nom.
12-T21002	1/8"	-
12-T21003	3/16"	-
12-T21004	1/4"	1/8"
12-T21005	5/16"	-
12-T21006	3/8"	1/4"
12-T21007	7/16"	-
12-T21008	1/2"	3/8"
12-T21010	5/8"	1/2 "
12-T21012	3/4"	5/8"
12-T21014	7/8"	3/4"
12-T21018	1-1/8"	1"
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# Single Springs Part # Tube (

Part #	Tube O.D.	Nom.
12-BS-4	1/4"	1/8"
12-BS-5	5/16"	
12-BS-6	3/8"	1/4"
12-BS-7	7/16"	
12-BS-8	1/2"	3/8"
12-BS-10	5/8"	1/2 "
12-BS-12	3/4"	5/8"

#### Spring Sets

Part #	Description
12-BS-55	1/4", 5/16", 3/8", 1/2", and 5/8" in pouch
12-BS-77	All seven sizes in pouch



Part #	Description
12-RT12318	The set includes expander with riveted expander heads in 3/8", 1/2", 5/8", 3/4", 7/8", and 1-1/8", internal/external deburring tool, steel case.

### Packaged Swage Set

Part #	Description
12-T21024	Tube OD 1/4", 3/8", 1/2", and 5/8". The nominals are 1/8", 1/4", 3/8", and 1/2".

# Fin Straighteners

Part #	Description
12-T20352	Stainless steel fin straightener
12-T20351	For 8,9,10,12,14, and 15 spacings per inch



12-T20351 Illustrated



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